



RADIO TEST REPORT

FCC ID : Z3WAIR4960X

Equipment : 5400 Mbps 11ax Wi-Fi Mesh Extender
Wi-Fi 6 Smart Mesh System
5400 Mbps 11ax Wi-Fi Mesh Access Point
AX5400 Wi-Fi 6 Router
Home Wi-Fi Solution Kit
WiFi 6 Booster
Wi-Fi 6 Smart Mesh Extender

Brand Name : Airties

Model Name : Air 4960X, Air 4960XR

Applicant : Airties Wireless Networks
Sehit Mehmet Mikdat Uluunlu Sokagi No:23 Esentepe, Sisli
Istanbul, 34394 Turkey

Manufacturer : Airties Wireless Networks
Sehit Mehmet Mikdat Uluunlu Sokagi No:23 Esentepe, Sisli
Istanbul, 34394 Turkey

Standard : 47 CFR FCC Part 15.247

The product was received on Mar. 10, 2022, and testing was started from Mar. 22, 2022 and completed on Apr. 28, 2022. We, Sporton International Inc. Hsinchu Laboratory, would like to declare that the tested sample has been evaluated in accordance with the procedures given in ANSI C63.10-2013 and shown compliance with the applicable technical standards.

The test results in this report apply exclusively to the tested model / sample. Without written approval of Sporton International Inc. Hsinchu Laboratory, the test report shall not be reproduced except in full.

Approved by: Sam Chen

Sporton International Inc. Hsinchu Laboratory

No.8, Ln. 724, Bo'ai St., Zhubei City, Hsinchu County 302010, Taiwan (R.O.C.)



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TEL : 886-3-656-9065
FAX : 886-3-656-9085
Report Template No.: CB-A10_10 Ver1.3



Summary of Test Result

Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
1.1.2	15.203	Antenna Requirement	PASS	-
3.1	15.207	AC Power-line Conducted Emissions	PASS	-
3.2	15.247(a)	DTS Bandwidth	PASS	-
3.3	15.247(b)	Maximum Conducted Output Power	PASS	-
3.4	15.247(e)	Power Spectral Density	PASS	-
3.5	15.247(d)	Emissions in Non-restricted Frequency Bands	PASS	-
3.6	15.247(d)	Emissions in Restricted Frequency Bands	PASS	-

Declaration of Conformity:

1. The test results with all measurement uncertainty excluded are presented in accordance with the regulation limits or requirements declared by manufacturers. It's means measurement values may risk exceeding the limit of regulation standards, if measurement uncertainty is include in test results.
2. The measurement uncertainty please refer to report "Measurement Uncertainty".

Comments and Explanations:

The declared of product specification for EUT presented in the report are provided by the manufacturer, and the manufacturer takes all the responsibilities for the accuracy of product specification.

Reviewed by: Sam Chen**Report Producer: Jessie Wei**



1 General Description

1.1 Information

1.1.1 RF General Information

Frequency Range (MHz)	IEEE Std. 802.11	Ch. Frequency (MHz)	Channel Number
2400-2483.5	b, g, n (HT20), VHT20, ax (HEW20)	2412-2462	1-11 [11]
2400-2483.5	n (HT40), VHT40, ax (HEW40)	2422-2452	3-9 [7]

Band	Mode	BWch (MHz)	Nant
2.4-2.4835GHz	802.11b	20	2TX
2.4-2.4835GHz	802.11g	20	2TX
2.4-2.4835GHz	802.11n HT20	20	2TX
2.4-2.4835GHz	802.11n HT20-BF	20	2TX
2.4-2.4835GHz	VHT20	20	2TX
2.4-2.4835GHz	VHT20-BF	20	2TX
2.4-2.4835GHz	802.11ax HEW20	20	2TX
2.4-2.4835GHz	802.11ax HEW20-BF	20	2TX
2.4-2.4835GHz	802.11n HT40	40	2TX
2.4-2.4835GHz	802.11n HT40-BF	40	2TX
2.4-2.4835GHz	VHT40	40	2TX
2.4-2.4835GHz	VHT40-BF	40	2TX
2.4-2.4835GHz	802.11ax HEW40	40	2TX
2.4-2.4835GHz	802.11ax HEW40-BF	40	2TX

Note:

- ♦ 11b mode uses a combination of DSSS-DBPSK, DQPSK, CCK modulation.
- ♦ 11g, HT20 and HT40 use a combination of OFDM-BPSK, QPSK, 16QAM, 64QAM modulation.
- ♦ VHT20, VHT40 use a combination of OFDM-BPSK, QPSK, 16QAM, 64QAM, 256QAM modulation.
- ♦ HEW20, HEW40 use a combination of OFDMA-BPSK, QPSK, 16QAM, 64QAM, 256QAM, 1024QAM modulation.
- ♦ BWch is the nominal channel bandwidth.

**1.1.2 Antenna Information**

Ant.	Port		Brand	Model Name	Antenna Type	Connector	Gain (dBi)
	2.4GHz	5GHz					
1	2	1	AirTies	A01	Printed	N/A	Note 1
2	1	4	AirTies	A30	Printed	N/A	
3	-	2	AirTies	A1X	Printed	N/A	
4	-	3	AirTies	A2X	Printed	N/A	

Note 1:

Ant.	Antenna Gain (dBi)				
	WLAN 2.4GHz	WLAN 5GHz			
		UNII 1	UNII 2A	UNII 2C	UNII 3
1	2.73	3.56	3.95	4.61	4.20
2	1.86	2.24	1.70	3.30	3.16
3	-	1.89	2.05	1.17	1.02
4	-	1.89	1.14	2.73	3.97

Ant.	Directional Gain (dBi)				
	WLAN 2.4GHz	WLAN 5GHz			
		UNII 1	UNII 2A	UNII 2C	UNII 3
	2T1S	4T1S			
1	2.95	5.70	5.96	5.34	6.17
2					
3	-				
4	-				

Note 2: The above information (excepting antenna gain) was declared by manufacturer.

For WLAN 2.4GHz:**For IEEE 802.11b/g/n/VHT/ax mode (2TX/2RX):**

Port 1 and Port 2 can be used as transmitting/receiving antenna.

Port 1 and Port 2 could transmit/receive simultaneously.

For WLAN 5GHz:**For IEEE 802.11a/n/ac/ax mode (4TX/4RX):**

Port 1, Port 2, Port 3 and Port 4 can be used as transmitting/receiving antenna.

Port 1, Port 2, Port 3 and Port 4 could transmit/receive simultaneously.

Note3: The directional gain is measured which follows the procedure of KDB 662911 D03. The antenna report is provided in the operational description for this application.

**1.1.3 Mode Test Duty Cycle**

Mode	DC	DCF(dB)	T(s)	VBW(Hz) ≥ 1/T
802.11b	0.936	0.29	12.42m	100
802.11g	0.953	0.21	2.068m	1k
802.11ax HEW20-BF	0.979	0.09	2.938m	1k
802.11ax HEW40-BF	0.979	0.09	4.383m	300

Note:

- ♦ DC is Duty Cycle.
- ♦ DCF is Duty Cycle Factor.

1.1.4 EUT Operational Condition

EUT Power Type	From Power Adapter			
Beamforming Function	☒	With beamforming	☐	Without beamforming
	The product has beamforming function for 11n/VHT/ax in 2.4GHz and 11n/ac/ax in 5GHz.			
Function	☒	Point-to-multipoint	☐	Point-to-point
Test Software Version	accessMtool 3.2.1.5			
SW version	4.130.1.0.1755_wltest			
HW version	4960X-D01-M01-R08			
Serial Number (For AC Conduction & Radiated below 1GHz)	AP: AG2932203000016 Router: AG2932203000087			
Serial Number (For other test items)	11b: AG 2932208000102 11g/n/VHT/ax: AG2932203000099			

Note: The above information was declared by manufacturer.

1.1.5 Table for EUT supports function

Function	Support Band
AP	2.4GHz / 5GHz
Router	2.4GHz / 5GHz
Mesh	5GHz

Note1: After evaluating, the AP and the Router were selected to test and record in the report.

Note2: The above information was declared by manufacturer.

**1.1.6 Table for Multiple Listing**

EUT	Equipment Name	Equipment Difference	Brand Name	Model Name
1	AX5400 Wi-Fi 6 Router	for different marketing	Airties	Air 4960XR
-	Wi-Fi 6 Smart Mesh System			
2	5400 Mbps 11ax Wi-Fi Mesh Extender	for different marketing	Airties	Air 4960X
-	Wi-Fi 6 Smart Mesh Extender			
-	5400 Mbps 11ax Wi-Fi Mesh Access Point			
-	Home Wi-Fi Solution Kit			
-	WiFi 6 Booster			

Model Name	Type	I/O Port Function	I/O Port Color	DDR		
				Brand Name	Model Name	Capacity
Air 4960XR	Router, Mesh	LAN*1, WAN*1	LAN: yellow, WAN: Red	Winbond	W634GU6NB-11	512MB
Air 4960X	AP, Mesh	LAN*2	LAN: yellow	Winbond	W632GU6NB-12	256MB

Note1: From the above models, model: Air 4960XR (EUT 1) was selected to test AC Power-line Conducted Emissions and Emissions in Restricted Frequency Bands below 1GHz. Air 4960X (EUT 2) was selected to test all items and their data were recorded in this report.

Note2: The above information was declared by manufacturer.



1.2 Applicable Standards

According to the specifications of the manufacturer, the EUT must comply with the requirements of the following standards:

- ♦ 47 CFR FCC Part 15.247
- ♦ ANSI C63.10-2013

The following reference test guidance is not within the scope of accreditation of TAF.

- ♦ FCC KDB 558074 D01 v05r02
- ♦ FCC KDB 662911 D03 v01
- ♦ FCC KDB 414788 D01 v01r01

1.3 Testing Location Information

Testing Location Information	
Test Lab. : Sporton International Inc. Hsinchu Laboratory	
Hsinchu (TAF: 3787)	ADD: No.8, Ln. 724, Bo'ai St., Zhubei City, Hsinchu County 302010, Taiwan (R.O.C.) TEL: 886-3-656-9065 FAX: 886-3-656-9085 Test site Designation No. TW3787 with FCC. Conformity Assessment Body Identifier (CABID) TW3787 with ISED.

Test Condition	Test Site No.	Test Engineer	Test Environment (°C / %)	Test Date
RF Conducted	TH03-CB	Lucas Huang	23.9~24.4 / 62~64	Mar. 25, 2022~ Apr. 28, 2022
Radiated below 1GHz & Co-location	03CH04-CB	Simmon Cheng	23.5~24.6 / 55~59	Mar. 22, 2022~ Mar. 23, 2022
Radiated above 1GHz	03CH02-CB	Gino Huang	23.8~24.9 / 55~58	Mar. 22, 2022~ Apr. 23, 2022
	03CH03-CB	Gino Huang	23.5~24.6 / 55~58	
AC Conduction	CO01-CB	Joe Chu	23~24 / 58~59	Mar. 25, 2022

1.4 Measurement Uncertainty

ISO/IEC 17025 requires that an estimate of the measurement uncertainties associated with the emissions test results be included in the report. The measurement uncertainties given below are based on a 95% confidence level (based on a coverage factor (k=2))

Test Items	Uncertainty	Remark
Conducted Emission (150kHz ~ 30MHz)	3.4 dB	Confidence levels of 95%
Radiated Emission (9kHz ~ 30MHz)	4.2 dB	Confidence levels of 95%
Radiated Emission (30MHz ~ 1,000MHz)	5.5 dB	Confidence levels of 95%
Radiated Emission (1GHz ~ 18GHz)	4.7 dB	Confidence levels of 95%
Radiated Emission (18GHz ~ 40GHz)	4.2 dB	Confidence levels of 95%
Conducted Emission	2.5 dB	Confidence levels of 95%
Output Power Measurement	1.3 dB	Confidence levels of 95%
Power Density Measurement	2.5 dB	Confidence levels of 95%
Bandwidth Measurement	0.9%	Confidence levels of 95%



2 Test Configuration of EUT

2.1 Test Channel Mode

Mode	Power Setting
802.11b_Nss1,(1Mbps)_2TX	-
2412MHz	70
2437MHz	77
2462MHz	81
802.11g_Nss1,(6Mbps)_2TX	-
2412MHz	69
2417MHz	77
2437MHz	87
2457MHz	70
2462MHz	67
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-
2412MHz	64
2417MHz	70
2437MHz	83
2457MHz	65
2462MHz	59
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-
2422MHz	56
2437MHz	66
2452MHz	55

Note:

- ♦ Evaluated HEW20/HEW40 mode only due to the similar modulation. The power setting of HT20/HT40/VHT20/VHT40 mode are the same or lower than HEW20/HEW40.
- ♦ The EUT supports non-beamforming and beamforming modes, after evaluating, the beamforming mode has been selected to test.

2.2 The Worst Case Measurement Configuration

The Worst Case Mode for Following Conformance Tests	
Tests Item	AC power-line conducted emissions
Condition	AC power-line conducted measurement for line and neutral Test Voltage: 120Vac / 60Hz
Operating Mode	Normal Link
1	EUT 2 (AP) + Adapter
2	EUT 1 (Router) + Adapter

The Worst Case Mode for Following Conformance Tests	
Tests Item	DTS Bandwidth Maximum Conducted Output Power Power Spectral Density Emissions in Non-restricted Frequency Bands
Test Condition	Conducted measurement at transmit chains
1	EUT 2 (AP)

The Worst Case Mode for Following Conformance Tests	
Tests Item	Emissions in Restricted Frequency Bands
Test Condition	Radiated measurement If EUT consist of multiple antenna assembly (multiple antenna are used in EUT regardless of spatial multiplexing MIMO configuration), the radiated test should be performed with highest antenna gain of each antenna type.
Operating Mode < 1GHz	Normal Link
1	EUT 2 in X axis (AP) + Adapter
2	EUT 2 in Y axis (AP) + Adapter
3	EUT 2 in Z axis (AP) + Adapter
Mode 1 has been evaluated to be the worst case among Mode 1~3, thus measurement for Mode 4 will follow this same test mode.	
4	EUT 1 in X axis (Router) + Adapter
For operating mode 1 and mode 4 are the worst case and they are recorded in this test report.	
Operating Mode > 1GHz	CTX
The EUT was performed at X axis, Y axis and Z axis position, and the worst case was found at Y axis. So the measurement will follow this same test configuration.	
1	EUT 2 (AP) in Y axis



The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis - Radiated Emission Co-location
Test Condition	Radiated measurement
Operating Mode	Normal Link
The EUT was performed at X axis, Y axis and Z axis position for Emissions in Restricted Frequency Bands above 1GHz, and the worst case was found at Y axis. So the measurement will follow this same test configuration.	
1	EUT 2 in Y axis (AP) – WLAN 2.4GHz + WLAN 5GHz
Refer to Appendix G for Radiated Emission Co-location.	

The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis - Co-location RF Exposure Evaluation
Operating Mode	
1	WLAN 2.4GHz + WLAN 5GHz
Refer to Sporton Test Report No.: FA230923 for Co-location RF Exposure Evaluation.	

2.3 EUT Operation during Test

For CTX Mode:

non-beamforming mode:

The EUT was programmed to be in continuously transmitting mode.

beamforming mode:

For Conducted Mode:

The EUT was programmed to be in continuously transmitting mode.

For Radiated Mode:

During the test, the following programs under WIN 7 were executed.

The program was executed as follows:

1. During the test, the EUT operation to normal function.
2. Executed command fixed test channel under DOS.
3. Executed "Lantest.exe" to link with the remote workstation to transmit and receive packet by WLAN AP and transmit duty cycle no less than 98%.

For Normal Link Mode:

During the test, the EUT operation to normal function.



2.4 Accessories

Accessories			
Equipment Name	Brand Name	Model Name	Rating
Adapter	MOSO	MS-V1000R120-012H0-US	INPUT: 100-240V~ 50/60Hz, 0.3A max. OUTPUT: 12.0V, 1.0A
Others			
RJ-45 cable*1: non-shielded, 1.5m			

2.5 Support Equipment

For AC Conduction:

For EUT 2 (AP):

Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	LAN NB	DELL	E6430	N/A
B	5G NB	DELL	E6430	N/A
C	2.4G NB	DELL	E6430	N/A

For EUT 1 (Router):

Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	LAN 1 NB	DELL	E6430	N/A
B	AP Router	ASUS	RP-N53	MSQ-RPN53
C	LAN 2 NB	DELL	E6430	N/A
D	5G NB	DELL	E6430	N/A
E	2.4G NB	DELL	E6430	N/A



For Radiated (below 1GHz):

For EUT 2 (AP):

Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	Notebook	DELL	E4300	N/A
B	Notebook	DELL	E4300	N/A
C	Notebook	DELL	E4300	N/A

For EUT 1 (Router):

Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	Notebook	DELL	E4300	N/A
B	Notebook	DELL	E4300	N/A
C	Notebook	DELL	E4300	N/A
D	WLAN AP	D-LINK	DIR860L	KA2IR860LA1

For Radiated (above 1GHz):

<Non-Beamforming Mode>

Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	Notebook	DELL	E4300	N/A

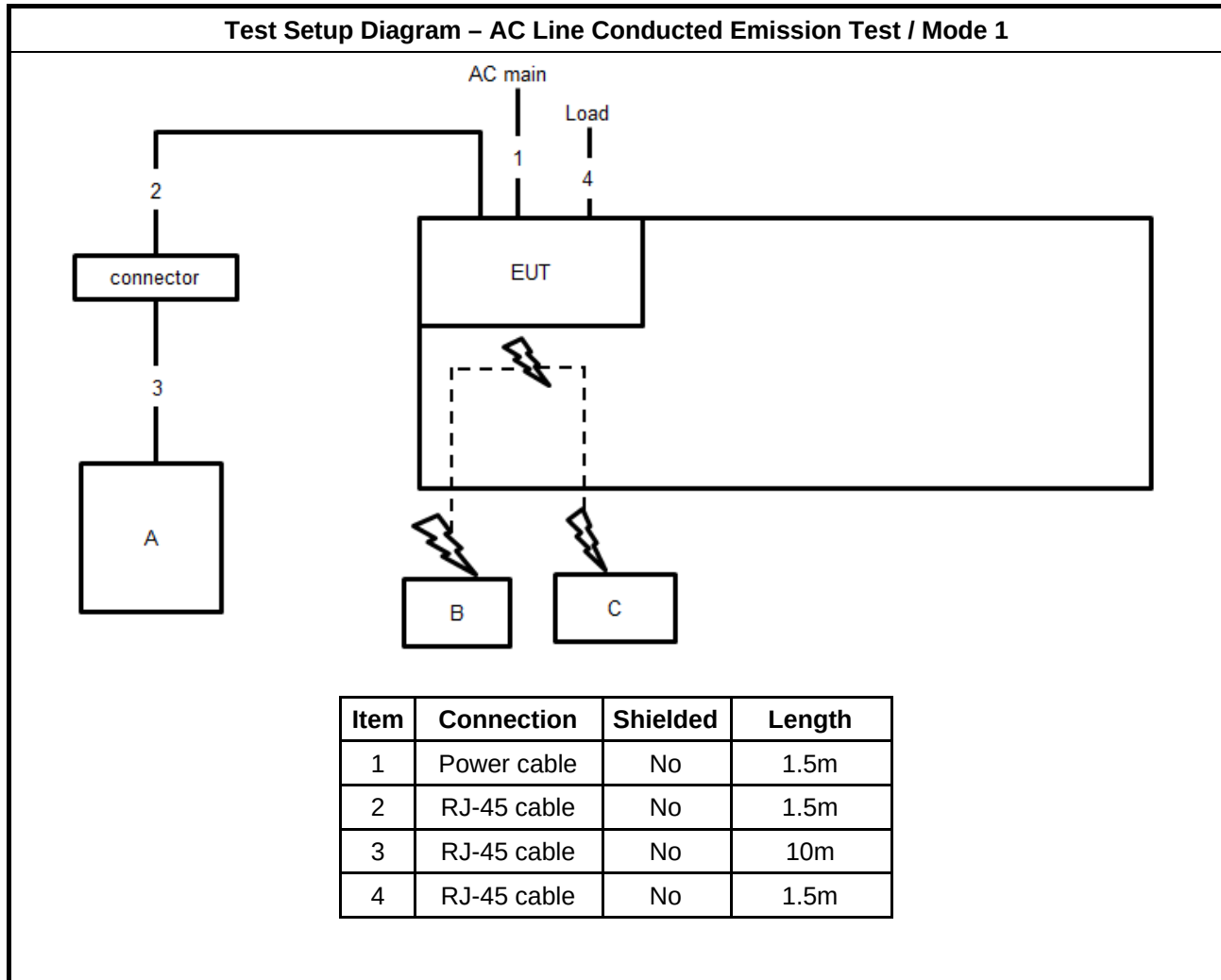
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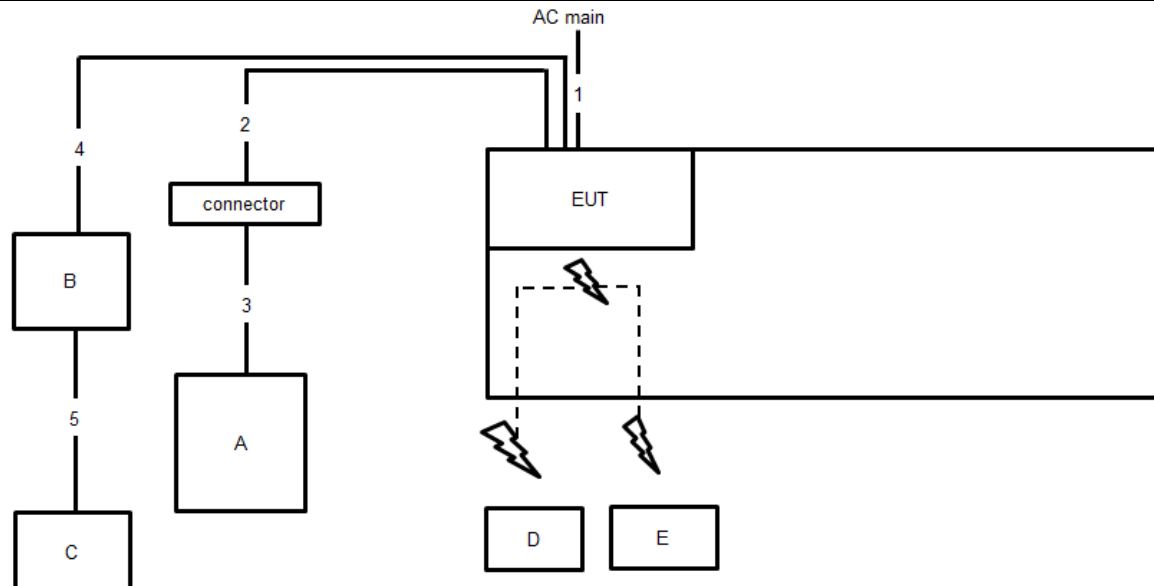
Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	Notebook	DELL	E4300	N/A
B	WLAN AP	ASUS	RT-AX88U	MSQ-RTAXHP00
C	Notebook	DELL	E4300	N/A

For RF Conducted:

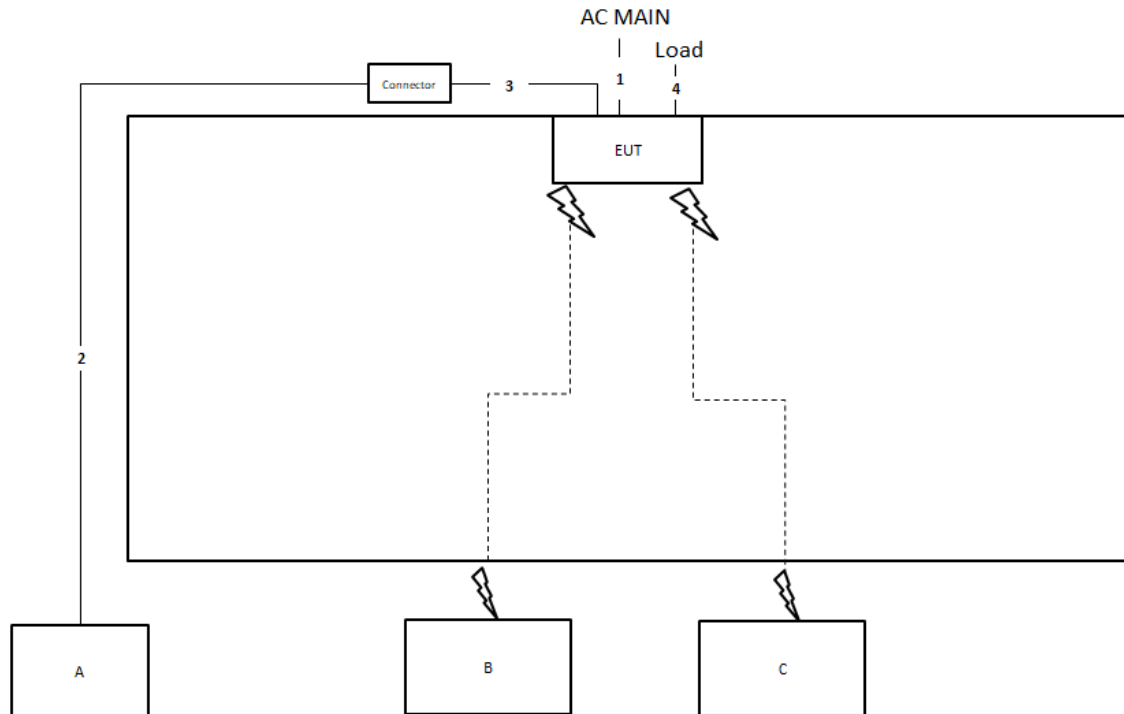
Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	Notebook	DELL	E4300	N/A

2.6 Test Setup Diagram

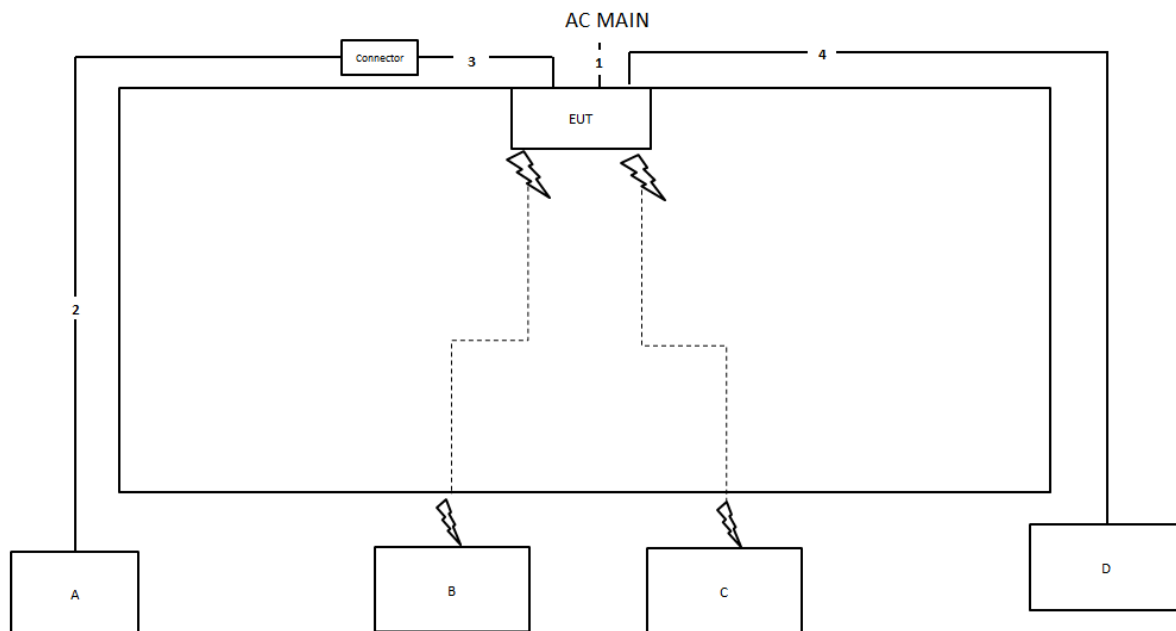


Test Setup Diagram – AC Line Conducted Emission Test / Mode 2


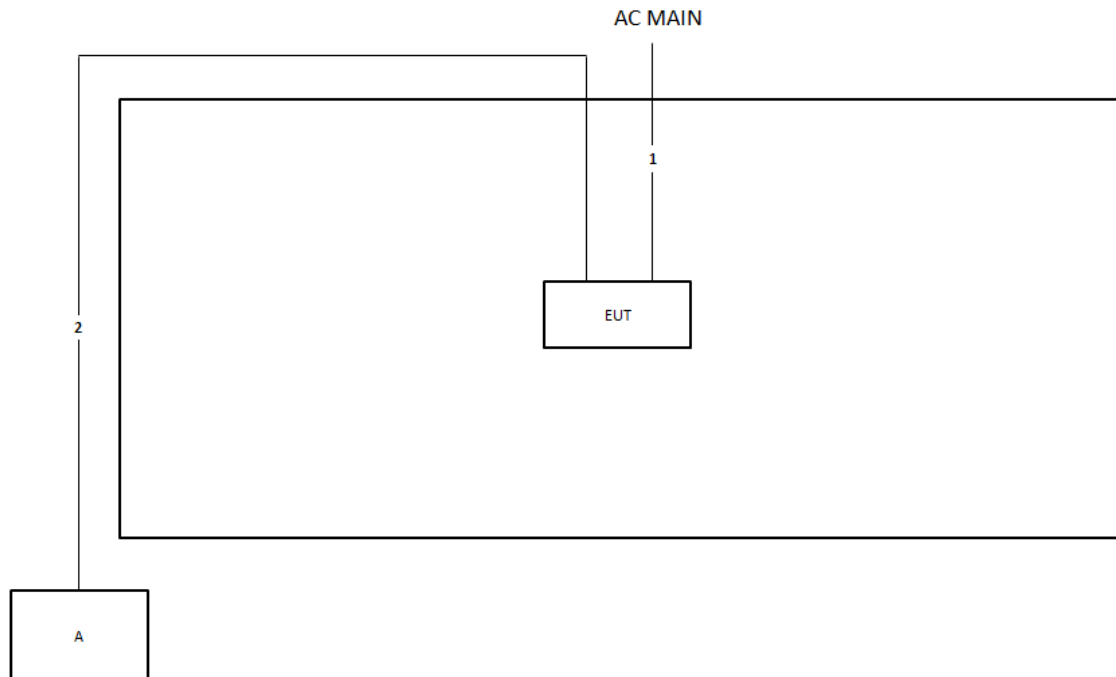
Item	Connection	Shielded	Length
1	Power cable	No	1.5m
2	RJ-45 cable	No	1.5m
3	RJ-45 cable	No	10m
4	RJ-45 cable	No	10m
5	RJ-45 cable	No	1.5m

Test Setup Diagram - Radiated Test < 1GHz / Mode 1


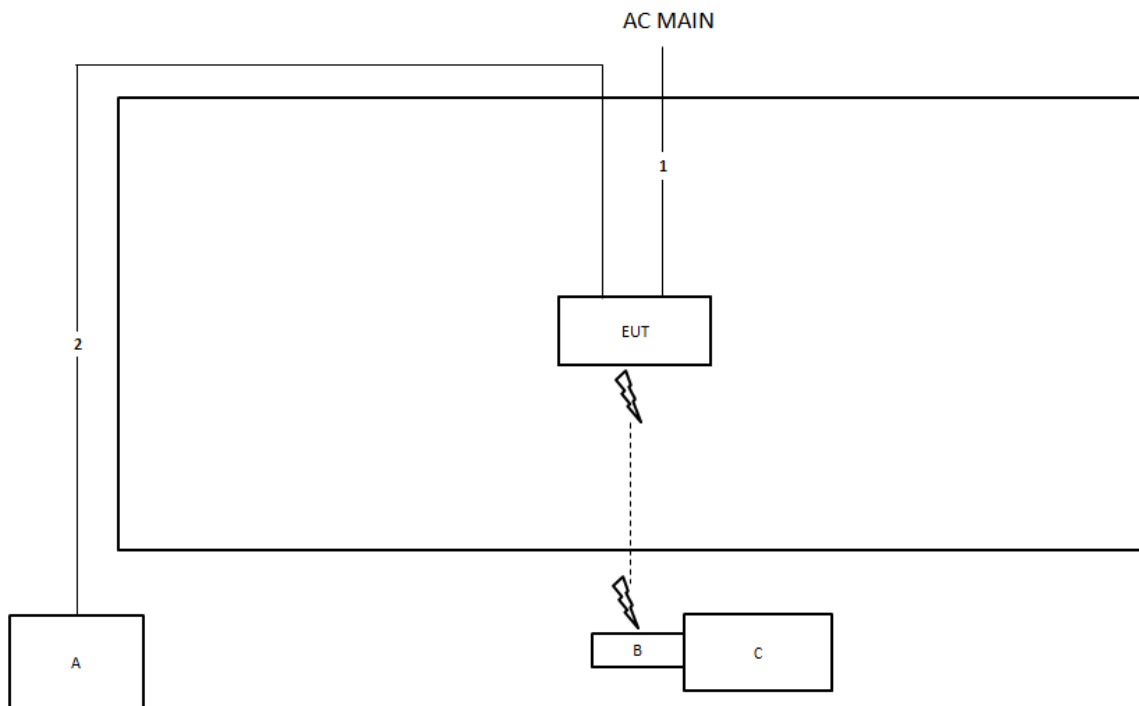
Item	Connection	Shielded	Length
1	Power cable	No	1.5m
2	RJ-45 cable	No	10m
3	RJ-45 cable	No	1.5m
4	RJ-45 cable	No	1.5m

Test Setup Diagram - Radiated Test < 1GHz / Mode 4


Item	Connection	Shielded	Length
1	Power cable	No	1.5m
2	RJ-45 cable	No	10m
3	RJ-45 cable	No	1.5m
4	RJ-45 cable	No	10m

Test Setup Diagram - Radiated Test > 1GHz / <Non-Beamforming Mode>


Item	Connection	Shielded	Length
1	Power cable	No	1.5m
2	RJ-45 cable	No	10m

Test Setup Diagram - Radiated Test > 1GHz / <Beamforming Mode>


Item	Connection	Shielded	Length
1	Power cable	No	1.5m
2	RJ-45 cable	No	10m



3 Transmitter Test Result

3.1 AC Power-line Conducted Emissions

3.1.1 AC Power-line Conducted Emissions Limit

AC Power-line Conducted Emissions Limit		
Frequency Emission (MHz)	Quasi-Peak	Average
0.15-0.5	66 - 56 *	56 - 46 *
0.5-5	56	46
5-30	60	50

Note 1: * Decreases with the logarithm of the frequency.

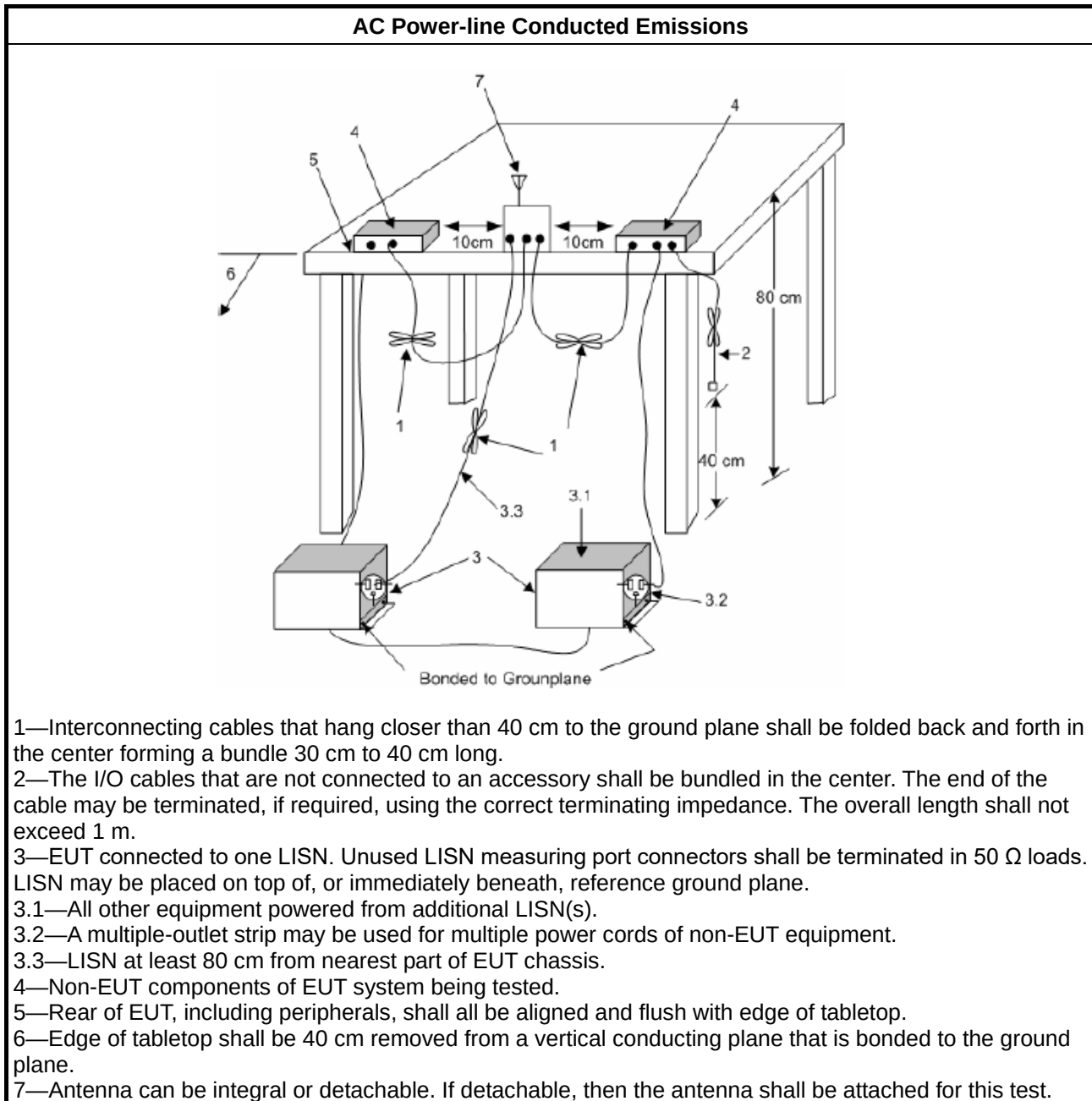
3.1.2 Measuring Instruments

Refer a test equipment and calibration data table in this test report.

3.1.3 Test Procedures

Test Method
☒ Refer as ANSI C63.10-2013, clause 6.2 for AC power-line conducted emissions.

3.1.4 Test Setup



3.1.5 Measurement Results Calculation

The measured Level is calculated using:

- Corrected Reading: LISN Factor (LISN) + Attenuator (AT/AUX) + Cable Loss (CL) + Read Level (Raw) = Level
- Margin = -Limit + Level

3.1.6 Test Result of AC Power-line Conducted Emissions

Refer as Appendix A

3.2 DTS Bandwidth

3.2.1 6dB Bandwidth Limit

6dB Bandwidth Limit
Systems using digital modulation techniques:
6 dB bandwidth $\geq$ 500 kHz.

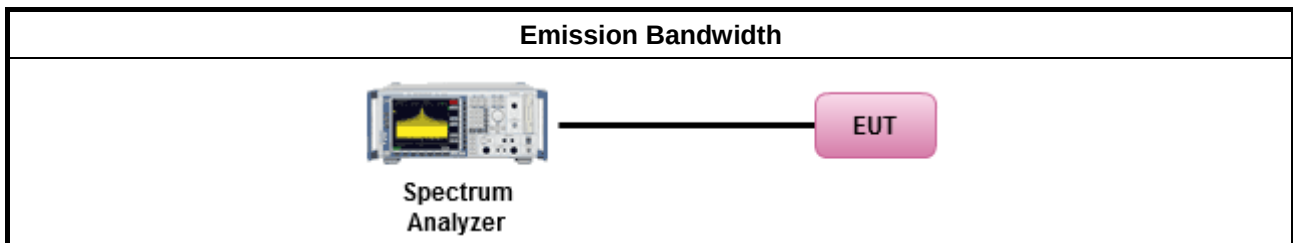
3.2.2 Measuring Instruments

Refer a test equipment and calibration data table in this test report.

3.2.3 Test Procedures

Test Method
For the emission bandwidth shall be measured using one of the options below:
☒ Refer as FCC KDB 558074, clause 8.2 & C63.10 clause 11.8.1 Option 1 for 6 dB bandwidth measurement.
☐ Refer as FCC KDB 558074, clause 8.2 & C63.10 clause 11.8.2 Option 2 for 6 dB bandwidth measurement.
☐ Refer as ANSI C63.10, clause 6.9.1 for occupied bandwidth testing.

3.2.4 Test Setup



3.2.5 Test Result of Emission Bandwidth

Refer as Appendix B

3.3 Maximum Conducted Output Power

3.3.1 Maximum Conducted Output Power Limit

Maximum Conducted Output Power Limit	
	▪ If $G_{TX} \leq 6$ dBi, then $P_{Out} \leq 30$ dBm (1 W)
	▪ Point-to-multipoint systems (P2M): If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)$ dBm
	▪ Point-to-point systems (P2P): If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)/3$ dBm
	▪ Smart antenna system (SAS):
	- Single beam: If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)/3$ dBm
	- Overlap beam: If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)/3$ dBm
	- Aggregate power on all beams: If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)/3 + 8$ dB dBm
P_{Out} = maximum peak conducted output power or maximum conducted output power in dBm, G_{TX} = the maximum transmitting antenna directional gain in dBi.	

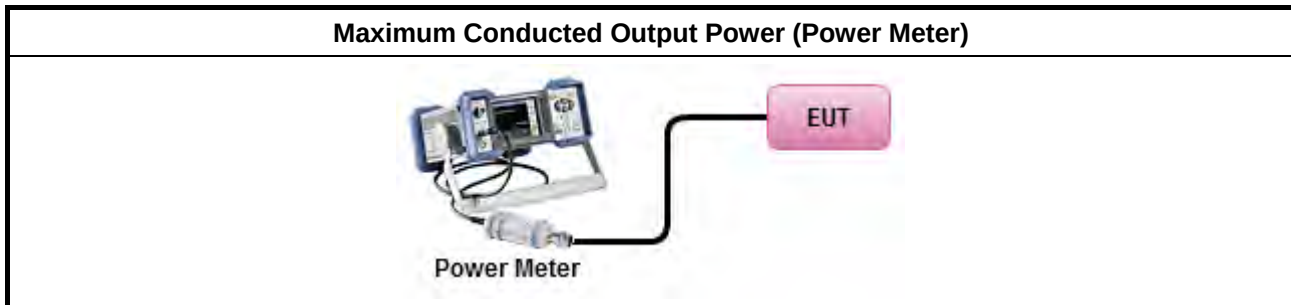
3.3.2 Measuring Instruments

Refer a test equipment and calibration data table in this test report.

3.3.3 Test Procedures

Test Method	
Maximum Peak Conducted Output Power	
☐	Refer as FCC KDB 558074, clause 8.3.1.1 & C63.10 clause 11.9.1.1 (RBW ≥ EBW method).
☐	Refer as FCC KDB 558074, clause 8.3.1.3 & C63.10 clause 11.9.1.3 (peak power meter).
Maximum Conducted Output Power	
[duty cycle ≥ 98% or external video / power trigger]	
☐	Refer as FCC KDB 558074, clause 8.3.2.2 & C63.10 clause 11.9.2.2.2 Method AVGSA-1.
☐	Refer as FCC KDB 558074, clause 8.3.2.2 & C63.10 clause 11.9.2.2.3 Method AVGSA-1A. (alternative)
duty cycle < 98% and average over on/off periods with duty factor	
☐	Refer as FCC KDB 558074, clause 8.3.2.2 & C63.10 clause 11.9.2.2.4 Method AVGSA-2.
☐	Refer as FCC KDB 558074, clause 8.3.2.2 & C63.10 clause 11.9.2.2.5 Method AVGSA-2A (alternative)
☐	Refer as FCC KDB 558074, clause 8.3.2.2 & C63.10 clause 11.9.2.2.6 Method AVGSA-3
☐	Refer as FCC KDB 558074, clause 8.3.2.2 & C63.10 clause 11.9.2.2.7 Method AVGSA-3A (alternative)
Measurement using a power meter (PM)	
☐	Refer as FCC KDB 558074, clause 8.3.2.3 & C63.10 clause 11.9.2.3.1 Method AVGPM (using an RF average power meter).
☒	Refer as FCC KDB 558074, clause 8.3.2.3 & C63.10 clause 11.9.2.3.2 Method AVGPM-G (using an gate RF average power meter).
For conducted measurement.	
If the EUT supports multiple transmit chains using options given below: Refer as FCC KDB 662911, In-band power measurements. Using the measure-and-sum approach, measured all transmit ports individually. Sum the power (in linear power units e.g., mW) of all ports for each individual sample and save them.	
If multiple transmit chains, EIRP calculation could be following as methods: $P_{total} = P_1 + P_2 + \dots + P_n$ (calculated in linear unit [mW] and transfer to log unit [dBm]) $EIRP_{total} = P_{total} + DG$	

3.3.4 Test Setup



3.3.5 Test Result of Maximum Conducted Output Power

Refer as Appendix C



3.4 Power Spectral Density

3.4.1 Power Spectral Density Limit

Power Spectral Density Limit
▪ Power Spectral Density (PSD) ≤ 8 dBm/3kHz

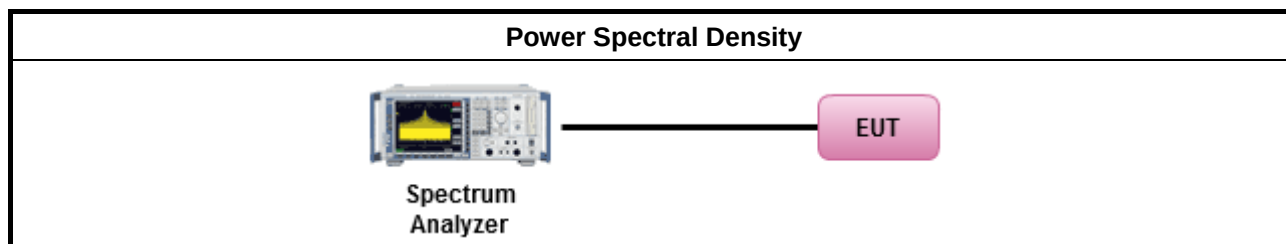
3.4.2 Measuring Instruments

Refer a test equipment and calibration data table in this test report.

3.4.3 Test Procedures

Test Method	
▪ Peak power spectral density procedures that the same method as used to determine the conducted output power. If maximum peak conducted output power was measured to demonstrate compliance to the output power limit, then the peak PSD procedure below (Method PKPSD) shall be used. If maximum conducted output power was measured to demonstrate compliance to the output power limit, then one of the average PSD procedures shall be used, as applicable based on the following criteria (the peak PSD procedure is also an acceptable option).	
☒	Refer as FCC KDB 558074, clause 8.4 & C63.10 clause 11.10 Method Max. PSD.
▪ For conducted measurement.	
▪ If The EUT supports multiple transmit chains using options given below:	
☒	Option 1: Measure and sum the spectra across the outputs. Refer as FCC KDB 662911, In-band power spectral density (PSD). Sample all transmit ports simultaneously using a spectrum analyzer for each transmit port. Where the trace bin-by-bin of each transmit port summing can be performed. (i.e., in the first spectral bin of output 1 is summed with that in the first spectral bin of output 2 and that from the first spectral bin of output 3, and so on up to the NTX output to obtain the value for the first frequency bin of the summed spectrum.). Add up the amplitude (power) values for the different transmit chains and use this as the new data trace.
☐	Option 2: Measure and sum spectral maxima across the outputs. With this technique, spectra are measured at each output of the device at the required resolution bandwidth. The maximum value (peak) of each spectrum is determined. These maximum values are then summed mathematically in linear power units across the outputs. These operations shall be performed separately over frequency spans that have different out-of-band or spurious emission limits,
☐	Option 3: Measure and add 10 log(N) dB, where N is the number of transmit chains. Refer as FCC KDB 662911, In-band power spectral density (PSD). Performed at each transmit chains and each transmit chains shall be compared with the limit have been reduced with 10 log(N). Or each transmit chains shall be add 10 log(N) to compared with the limit.

3.4.4 Test Setup



3.4.5 Test Result of Power Spectral Density

Refer as Appendix D

3.5 Emissions in Non-restricted Frequency Bands

3.5.1 Emissions in Non-restricted Frequency Bands Limit

Un-restricted Band Emissions Limit	
RF output power procedure	Limit (dBc)
Peak output power procedure	20
Average output power procedure	30
Note 1: If the peak output power procedure is used to measure the fundamental emission power to demonstrate compliance to requirements, then the peak conducted output power measured within any 100 kHz outside the authorized frequency band shall be attenuated by at least 20 dB relative to the maximum measured in-band peak PSD level. Note 2: If the average output power procedure is used to measure the fundamental emission power to demonstrate compliance to requirements, then the power in any 100 kHz outside of the authorized frequency band shall be attenuated by at least 30 dB relative to the maximum measured in-band average PSD level.	

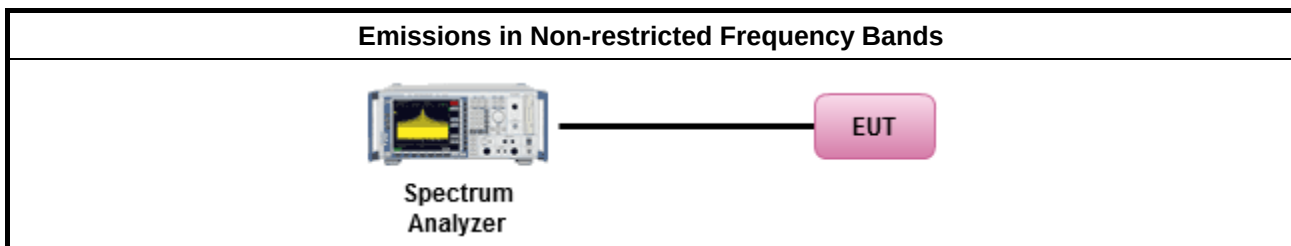
3.5.2 Measuring Instruments

Refer a test equipment and calibration data table in this test report.

3.5.3 Test Procedures

Test Method
Refer as FCC KDB 558074, clause 8.5 for unwanted emissions into non-restricted bands.

3.5.4 Test Setup



3.5.5 Test Result of Emissions in Non-restricted Frequency Bands

Refer as Appendix E

3.6 Emissions in Restricted Frequency Bands

3.6.1 Emissions in Restricted Frequency Bands Limit

Restricted Band Emissions Limit			
Frequency Range (MHz)	Field Strength (uV/m)	Field Strength (dBuV/m)	Measure Distance (m)
0.009~0.490	2400/F(kHz)	48.5 - 13.8	300
0.490~1.705	24000/F(kHz)	33.8 - 23	30
1.705~30.0	30	29	30
30~88	100	40	3
88~216	150	43.5	3
216~960	200	46	3
Above 960	500	54	3

Note 1: Test distance for frequencies at or above 30 MHz, measurements may be performed at a distance other than the limit distance provided they are not performed in the near field and the emissions to be measured can be detected by the measurement equipment. When performing measurements at a distance other than that specified, the results shall be extrapolated to the specified distance using an extrapolation factor of 20 dB/decade (inverse of linear distance for field-strength measurements, inverse of linear distance-squared for power-density measurements).

Note 2: Test distance for frequencies at below 30 MHz, measurements may be performed at a distance closer than the EUT limit distance; however, an attempt should be made to avoid making measurements in the near field. When performing measurements below 30 MHz at a closer distance than the limit distance, the results shall be extrapolated to the specified distance by either making measurements at a minimum of two or more distances on at least one radial to determine the proper extrapolation factor or by using the square of an inverse linear distance extrapolation factor (40 dB/decade). The test report shall specify the extrapolation method used to determine compliance of the EUT.

Note 3: Using the distance of 1m during the test for above 18 GHz, and the test value to correct for the distance factor at 3m.

3.6.2 Measuring Instruments

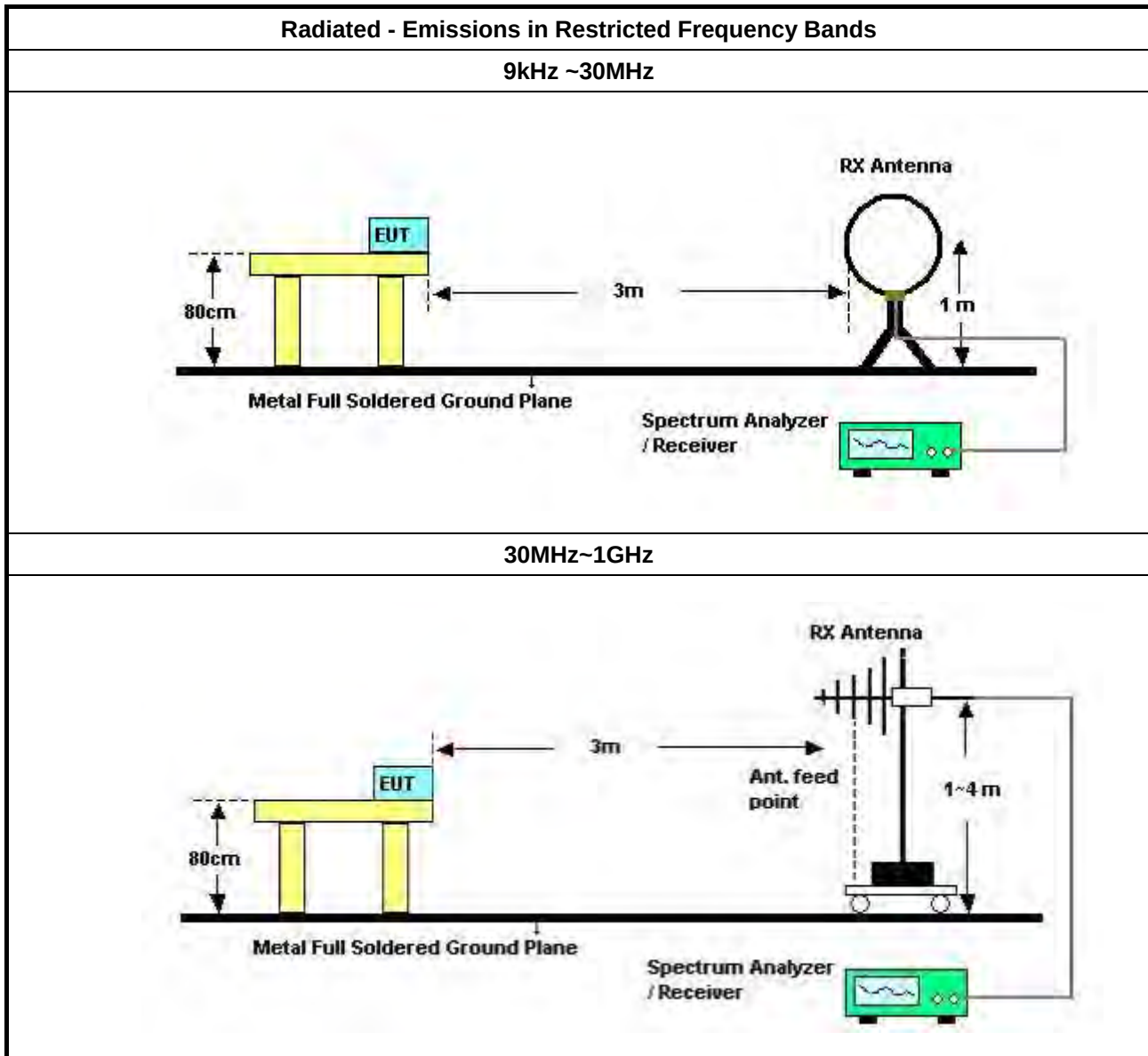
Refer a test equipment and calibration data table in this test report.

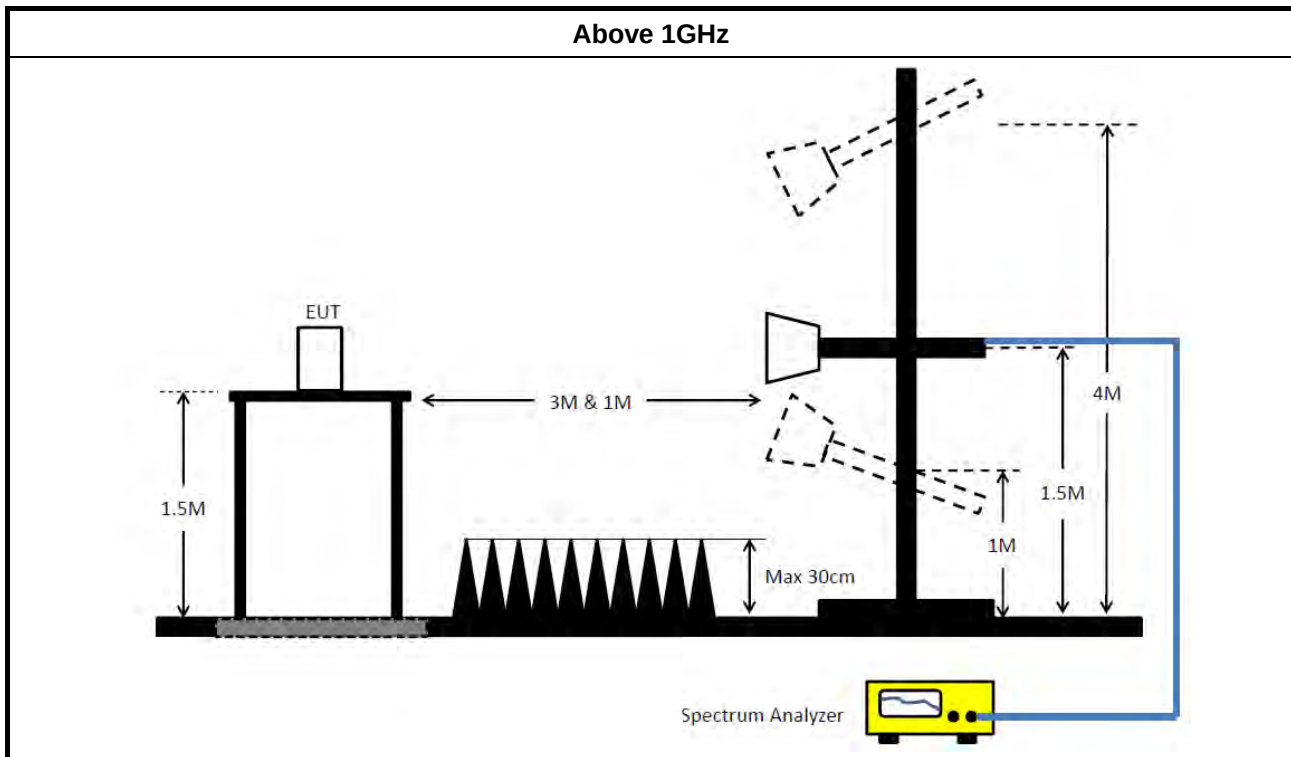


3.6.3 Test Procedures

Test Method	
▪ The average emission levels shall be measured in [duty cycle ≥ 98 or duty factor].	
▪ Refer as ANSI C63.10, clause 6.10.3 band-edge testing shall be performed at the lowest frequency channel and highest frequency channel within the allowed operating band.	
▪ For the transmitter unwanted emissions shall be measured using following options below:	
	▪ Refer as FCC KDB 558074, clause 8.6 for unwanted emissions into restricted bands.
	☐ Refer as FCC KDB 558074, clause 8.6 & C63.10 clause 11.12.2.5.1(trace averaging for duty cycle $\geq 98\%$).
	☐ Refer as FCC KDB 558074, clause 8.6 & C63.10 clause 11.12.2.5.2(trace averaging + duty factor).
	☒ Refer as FCC KDB 558074, clause 8.6 & C63.10 clause 11.12.2.5.3(Reduced VBW $\geq 1/T$).
	☐ Refer as ANSI C63.10, clause 11.12.2.5.3 (Reduced VBW). VBW $\geq 1/T$, where T is pulse time.
	☐ Refer as ANSI C63.10, clause 7.5 average value of pulsed emissions.
	☒ Refer as FCC KDB 558074, clause 8.6 & C63.10 clause 11.12.2.4 measurement procedure peak limit.
▪ For the transmitter band-edge emissions shall be measured using following options below:	
	▪ Refer as FCC KDB 558074 clause 8.7 & C63.10 clause 11.13.1, When the performing peak or average radiated measurements, emissions within 2 MHz of the authorized band edge may be measured using the marker-delta method described below.
	▪ Refer as FCC KDB 558074, clause 8.7 (ANSI C63.10, clause 6.10.6) for marker-delta method for band-edge measurements.
	▪ Refer as FCC KDB 558074, clause 8.7 for narrower resolution bandwidth (100kHz) using the band power and summing the spectral levels (i.e., 1 MHz).
	▪ For conducted unwanted emissions into restricted bands (absolute emission limits). Devices with multiple transmit chains using options given below: (1) Measure and sum the spectra across the outputs or (2) Measure and add 10 log(N) dB
	▪ For FCC KDB 662911 The methodology described here may overestimate array gain, thereby resulting in apparent failures to satisfy the out-of-band limits even if the device is actually compliant. In such cases, compliance may be demonstrated by performing radiated tests around the frequencies at which the apparent failures occurred.

3.6.4 Test Setup





3.6.5 Measurement Results Calculation

The measured Level is calculated using:

Corrected Reading: Antenna factor (AF) + Cable loss (CL) + Read level (Raw) - Preamp factor (PA)(if applicable) = Level.

3.6.6 Emissions in Restricted Frequency Bands (Below 30MHz)

There is a comparison data of both open-field test site and alternative test site - semi-Anechoic chamber according to KDB414788 Radiated Test Site, and the result came out very similar.

All amplitude of spurious emissions that are attenuated by more than 20 dB below the permissible value has no need to be reported.

The radiated emissions were investigated from 9 kHz or the lowest frequency generated within the device, up to the 10th harmonic or 40 GHz, whichever is appropriate.

3.6.7 Test Result of Emissions in Restricted Frequency Bands

Refer as Appendix F



4 Test Equipment and Calibration Data

Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
EMI Receiver	Agilent	N9038A	My52260123	9kHz ~ 8.4GHz	Feb. 22, 2022	Feb. 21, 2023	Conduction (CO01-CB)
LISN	F.C.C.	FCC-LISN-50-1 6-2	04083	150kHz ~ 100MHz	Feb. 09, 2022	Feb. 08, 2023	Conduction (CO01-CB)
LISN	Schwarzbeck	NSLK 8127	8127650	9kHz ~ 30MHz	Jan. 07, 2022	Jan. 06, 2023	Conduction (CO01-CB)
Pulse Limiter	Rohde&Schwarz	ESH3-Z2	100430	9kHz ~ 30MHz	Feb. 10, 2022	Feb. 09, 2023	Conduction (CO01-CB)
COND Cable	Woken	Cable	Low cable-CO01	9kHz ~ 30MHz	May 19, 2021	May 18, 2022	Conduction (CO01-CB)
Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Conduction (CO01-CB)
Loop Antenna	Teseq	HLA 6120	24155	9kHz - 30 MHz	Apr. 14, 2021	Apr. 13, 2022	Radiation (03CH04-CB)
3m Semi Anechoic Chamber NSA	TDK	SAC-3M	03CH04-CB	30 MHz ~ 1 GHz	Aug. 08, 2021	Aug. 07, 2022	Radiation (03CH04-CB)
3m Semi Anechoic Chamber VSWR	TDK	SAC-3M	03CH04-CB	1GHz ~18GHz 3m	Feb. 24, 2022	Feb. 23, 2023	Radiation (03CH04-CB)
BILOG ANTENNA with 6 dB attenuator	Schaffner & EMCi	CBL6112B & N-6-06	22021&AT-N060 7	30MHz ~ 1GHz	Oct. 09, 2021	Oct. 08, 2022	Radiation (03CH04-CB)
Horn Antenna	ETS · Lindgren	3115	00143147	750MHz~18GHz	Oct. 25, 2021	Oct. 24, 2022	Radiation (03CH04-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Aug. 05, 2021	Aug. 04, 2022	Radiation (03CH04-CB)
Pre-Amplifier	Agilent	310N	187291	0.1MHz ~ 1GHz	Dec. 16, 2021	Dec. 15, 2022	Radiation (03CH04-CB)
Pre-Amplifier	Agilent	83017A	MY53270063	0.5GHz ~ 26.5GHz	Jul. 12, 2021	Jul. 11, 2022	Radiation (03CH04-CB)
Pre-Amplifier	MITEQ	TTA1840-35-HG	1864479	18GHz ~ 40GHz	Jul. 13, 2021	Jul. 12, 2022	Radiation (03CH04-CB)
Signal Analyzer	R&S	FSV40	101904	9kHz ~ 40GHz	Apr. 15, 2021	Apr. 14, 2022	Radiation (03CH04-CB)
EMI Test Receiver	R&S	ESCS	826547/017	9kHz ~ 2.75GHz	Jun. 21, 2021	Jun. 20, 2022	Radiation (03CH04-CB)
RF Cable-low	Woken	RG402	Low Cable-03+67	30MHz ~ 1GHz	Oct. 04, 2021	Oct. 03, 2022	Radiation (03CH04-CB)
RF Cable-high	Woken	RG402	High Cable-21	1GHz - 18GHz	Oct. 04, 2021	Oct. 03, 2022	Radiation (03CH04-CB)
RF Cable-high	Woken	RG402	High Cable-21+67	1GHz - 18GHz	Oct. 04, 2021	Oct. 03, 2022	Radiation (03CH04-CB)
High Cable	Woken	WCA0929M	40G#5+7	1GHz ~ 40 GHz	Dec. 14, 2021	Dec. 13, 2022	Radiation (03CH04-CB)



Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
High Cable	Woken	WCA0929M	40G#5	1GHz ~ 40 GHz	Dec. 08, 2021	Dec. 07, 2022	Radiation (03CH04-CB)
High Cable	Woken	WCA0929M	40G#7	1GHz ~ 40 GHz	Dec. 14, 2021	Dec. 13, 2022	Radiation (03CH04-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Radiation (03CH04-CB)
3m Semi Anechoic Chamber VSWR	RIKEN	SAC-3M	03CH02-CB	1GHz ~18GHz 3m	Mar. 27, 2021	Mar. 26, 2022	Radiation (03CH02-CB)
3m Semi Anechoic Chamber (NSA)	RIKEN	SAC-3M	03CH02-CB	30 MHz ~ 1 GHz	Mar. 26, 2022	Mar. 25, 2023	Radiation (03CH02-CB)
Horn Antenna	EMCO	3115	9610-4976	1GHz ~ 18GHz	May 04, 2021	May 03, 2022	Radiation (03CH02-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Aug. 05, 2021	Aug. 04, 2022	Radiation (03CH02-CB)
Pre-Amplifier	Agilent	83017A	MY39501305	1GHz ~ 26.5GHz	Jul. 12, 2021	Jul. 11, 2022	Radiation (03CH02-CB)
Pre-Amplifier	MITEQ	TTA1840-35-HG	1864479	18GHz ~ 40GHz	Jul. 13, 2021	Jul. 12, 2022	Radiation (03CH02-CB)
Spectrum analyzer	R&S	FSU	100015	9kHz~26GHz	Oct. 25, 2021	Oct. 24, 2022	Radiation (03CH02-CB)
RF Cable-high	Woken	RG402	High Cable-18	1GHz ~ 18GHz	Oct. 04, 2021	Oct. 03, 2022	Radiation (03CH02-CB)
RF Cable-high	Woken	RG402	High Cable-18+19	1GHz ~ 18GHz	Oct. 04, 2021	Oct. 03, 2022	Radiation (03CH02-CB)
High Cable	Woken	WCA0929M	40G#5+7	1GHz ~ 40 GHz	Dec. 14, 2021	Dec. 13, 2022	Radiation (03CH02-CB)
High Cable	Woken	WCA0929M	40G#5	1GHz ~ 40 GHz	Dec. 08, 2021	Dec. 07, 2022	Radiation (03CH02-CB)
High Cable	Woken	WCA0929M	40G#7	1GHz ~ 40 GHz	Dec. 14, 2021	Dec. 13, 2022	Radiation (03CH02-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Radiation (03CH02-CB)
3m Semi Anechoic Chamber VSWR	TDK	SAC-3M	03CH03-CB	1GHz ~18GHz 3m	May 06, 2021	May 05, 2022	Radiation (03CH03-CB)
Horn Antenna	ETS · Lindgren	3115	6821	750MHz~18GHz	Jan. 21, 2022	Jan. 20, 2023	Radiation (03CH03-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Aug. 05, 2021	Aug. 04, 2022	Radiation (03CH03-CB)
Pre-Amplifier	Agilent	8449B	3008A02097	1GHz ~ 26.5GHz	Jul. 02, 2021	Jul. 01, 2022	Radiation (03CH03-CB)
Pre-Amplifier	MITEQ	TTA1840-35-HG	1864479	18GHz ~ 40GHz	Jul. 13, 2021	Jul. 12, 2022	Radiation (03CH03-CB)
Spectrum Analyzer	R&S	FSP40	100019	9kHz ~ 40GHz	Jun. 04, 2021	Jun. 03, 2022	Radiation (03CH03-CB)



Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
RF Cable-high	Woken	RG402	High Cable-20+29	1GHz ~ 18GHz	Oct. 04, 2021	Oct. 03, 2022	Radiation (03CH03-CB)
RF Cable-high	Woken	RG402	High Cable-29	1GHz ~ 18GHz	Oct. 04, 2021	Oct. 03, 2022	Radiation (03CH03-CB)
High Cable	Woken	WCA0929M	40G#5+7	1GHz ~ 40 GHz	Dec. 14, 2021	Dec. 13, 2022	Radiation (03CH03-CB)
High Cable	Woken	WCA0929M	40G#5	1GHz ~ 40 GHz	Dec. 08, 2021	Dec. 07, 2022	Radiation (03CH03-CB)
High Cable	Woken	WCA0929M	40G#7	1GHz ~ 40 GHz	Dec. 14, 2021	Dec. 13, 2022	Radiation (03CH03-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Radiation (03CH03-CB)
Spectrum analyzer	R&S	FSV40	101028	9kHz~40GHz	Jan. 07, 2022	Jan. 06, 2023	Conducted (TH03-CB)
Power Sensor	Anritsu	MA2411B	1726195	300MHz~40GHz	Aug. 22, 2021	Aug. 21, 2022	Conducted (TH03-CB)
Power Meter	Anritsu	ML2495A	1035008	300MHz~40GHz	Aug. 22, 2021	Aug. 21, 2022	Conducted (TH03-CB)
RF Cable-high	Woken	RG402	High Cable-11	1 GHz ~18 GHz	Oct. 04, 2021	Oct. 03, 2022	Conducted (TH03-CB)
RF Cable-high	Woken	RG402	High Cable-12	1 GHz ~18 GHz	Oct. 04, 2021	Oct. 03, 2022	Conducted (TH03-CB)
RF Cable-high	Woken	RG402	High Cable-13	1 GHz ~18 GHz	Oct. 04, 2021	Oct. 03, 2022	Conducted (TH03-CB)
RF Cable-high	Woken	RG402	High Cable-14	1 GHz ~18 GHz	Oct. 04, 2021	Oct. 03, 2022	Conducted (TH03-CB)
RF Cable-high	Woken	RG402	High Cable-15	1 GHz ~18 GHz	Oct. 04, 2021	Oct. 03, 2022	Conducted (TH03-CB)
Switch	SPTCB	SP-SWI	SWI-03	1 GHz ~26.5 GHz	Dec. 13, 2021	Dec. 12, 2022	Conducted (TH03-CB)
RF Cable-high	Woken	RG402	SWI-03-P1	1 GHz ~26.5 GHz	Dec. 13, 2021	Dec. 12, 2022	Conducted (TH03-CB)
RF Cable-high	Woken	RG402	SWI-03-P2	1 GHz ~26.5 GHz	Dec. 13, 2021	Dec. 12, 2022	Conducted (TH03-CB)
RF Cable-high	Woken	RG402	SWI-03-P3	1 GHz ~26.5 GHz	Dec. 13, 2021	Dec. 12, 2022	Conducted (TH03-CB)
RF Cable-high	Woken	RG402	SWI-03-P4	1 GHz ~26.5 GHz	Dec. 13, 2021	Dec. 12, 2022	Conducted (TH03-CB)
RF Cable-high	Woken	RG402	SWI-03-P5	1 GHz ~26.5 GHz	Dec. 13, 2021	Dec. 12, 2022	Conducted (TH03-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Conducted (TH03-CB)

Note: Calibration Interval of instruments listed above is one year.

NCR means Non-Calibration required.



Conducted Emissions at Powerline

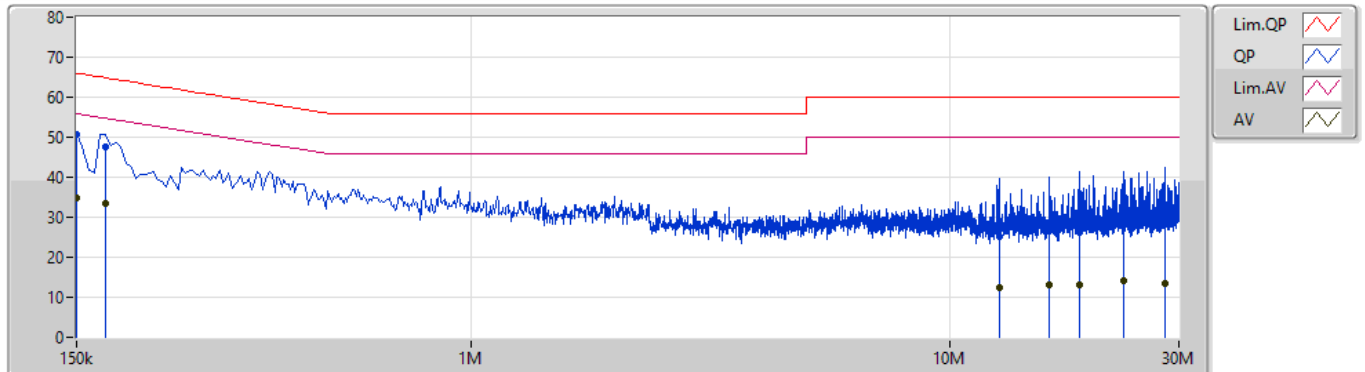
Appendix A

Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 1	Pass	QP	150k	51.08	66.00	-14.92	Neutral
Mode 2	Pass	QP	150k	51.64	66.00	-14.36	Line

Mode 1

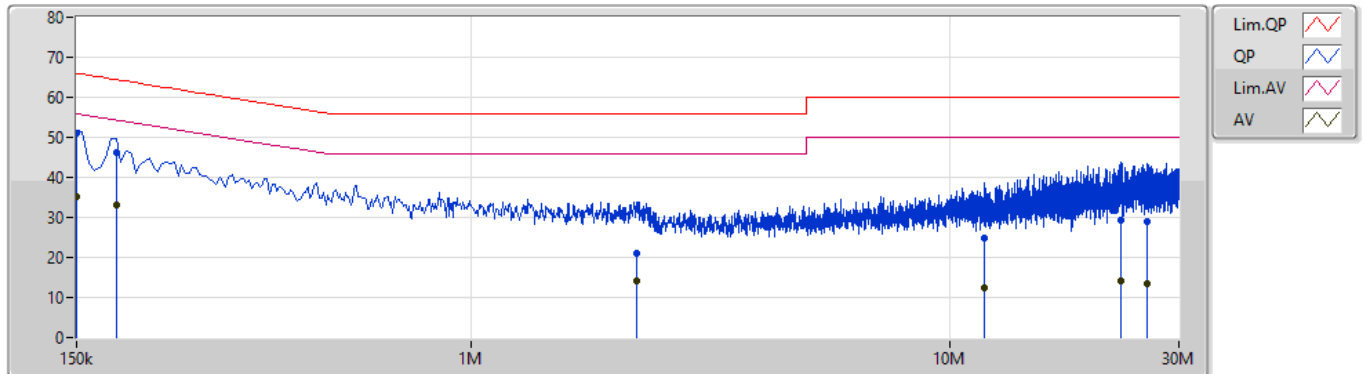
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Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)			
QP	150k	50.61	66.00	-15.39	10.03	Line	"Worst"	40.58	0.12	0.02	9.89			
AV	150k	34.94	56.00	-21.06	10.03	Line	-	24.91	0.12	0.02	9.89			
QP	172.5k	47.60	64.83	-17.23	10.03	Line	-	37.57	0.12	0.02	9.89			
AV	172.5k	33.57	54.83	-21.26	10.03	Line	-	23.54	0.12	0.02	9.89			
QP	12.696M	25.30	60.00	-34.70	10.37	Line	-	14.93	0.35	0.09	9.93			
AV	12.696M	12.47	50.00	-37.53	10.37	Line	-	2.10	0.35	0.09	9.93			
QP	16.098M	26.57	60.00	-33.43	10.42	Line	-	16.15	0.37	0.11	9.94			
AV	16.098M	13.22	50.00	-36.78	10.42	Line	-	2.80	0.37	0.11	9.94			
QP	18.609M	26.31	60.00	-33.69	10.46	Line	-	15.85	0.38	0.12	9.96			
AV	18.609M	13.11	50.00	-36.89	10.46	Line	-	2.65	0.38	0.12	9.96			
QP	23.082M	30.32	60.00	-29.68	10.53	Line	-	19.79	0.39	0.17	9.97			
AV	23.082M	13.97	50.00	-36.03	10.53	Line	-	3.44	0.39	0.17	9.97			
QP	28.019M	30.17	60.00	-29.83	10.63	Line	-	19.54	0.41	0.22	10.00			
AV	28.019M	13.59	50.00	-36.41	10.63	Line	-	2.96	0.41	0.22	10.00			

Mode 1

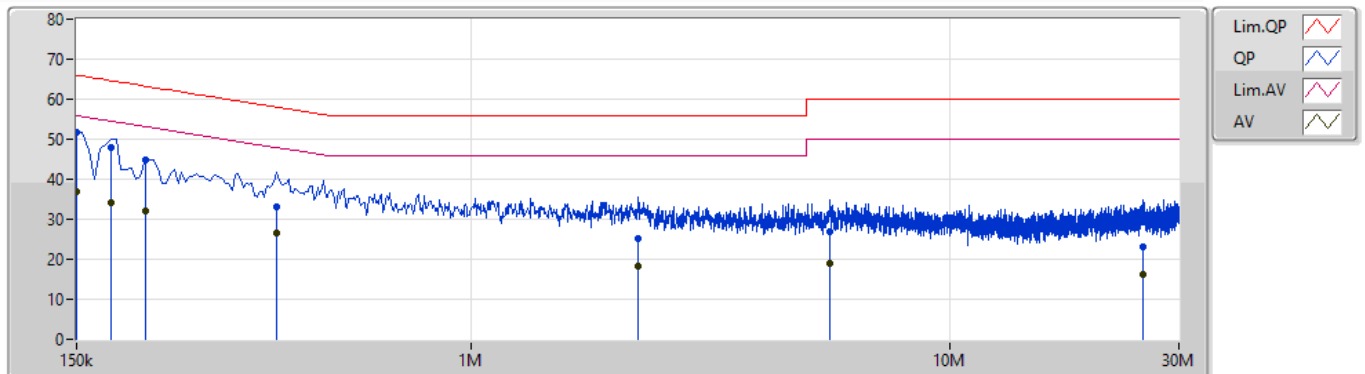
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Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)			
QP	150k	51.08	66.00	-14.92	10.07	Neutral	"Worst"	41.01	0.16	0.02	9.89			
AV	150k	35.28	56.00	-20.72	10.07	Neutral	-	25.21	0.16	0.02	9.89			
QP	181.5k	46.17	64.41	-18.24	10.07	Neutral	-	36.10	0.16	0.02	9.89			
AV	181.5k	32.96	54.41	-21.45	10.07	Neutral	-	22.89	0.16	0.02	9.89			
QP	2.22M	21.18	56.00	-34.82	10.13	Neutral	-	11.05	0.19	0.05	9.89			
AV	2.22M	14.13	46.00	-31.87	10.13	Neutral	-	4.00	0.19	0.05	9.89			
QP	11.783M	24.85	60.00	-35.15	10.31	Neutral	-	14.54	0.30	0.09	9.92			
AV	11.783M	12.30	50.00	-37.70	10.31	Neutral	-	1.99	0.30	0.09	9.92			
QP	22.637M	29.20	60.00	-30.80	10.47	Neutral	-	18.73	0.34	0.16	9.97			
AV	22.637M	14.21	50.00	-35.79	10.47	Neutral	-	3.74	0.34	0.16	9.97			
QP	25.841M	28.88	60.00	-31.12	10.55	Neutral	-	18.33	0.36	0.21	9.98			
AV	25.841M	13.29	50.00	-36.71	10.55	Neutral	-	2.74	0.36	0.21	9.98			

Mode 2

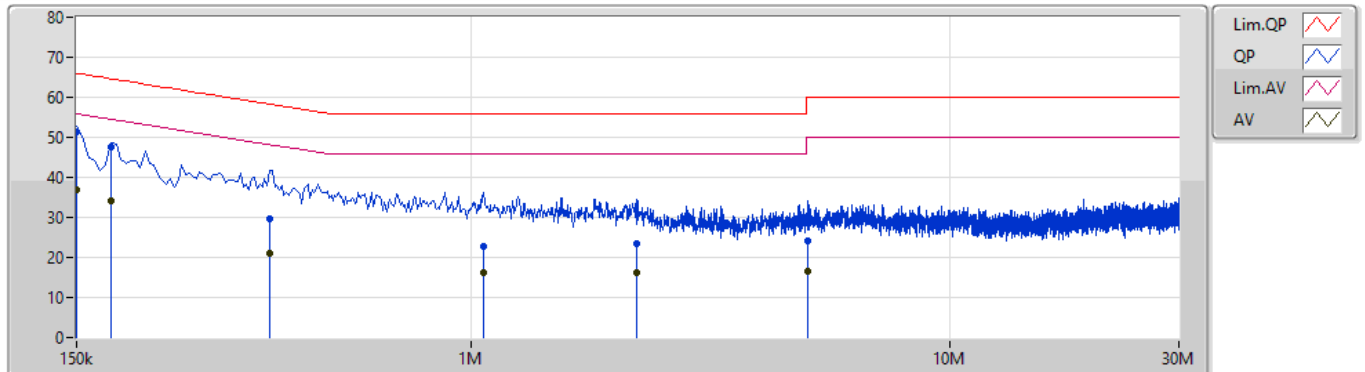
25/03/2022



Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)			
QP	150k	51.64	66.00	-14.36	10.03	Line	"Worst"	41.61	0.12	0.02	9.89			
AV	150k	37.01	56.00	-18.99	10.03	Line	-	26.98	0.12	0.02	9.89			
QP	177k	47.94	64.62	-16.68	10.03	Line	-	37.91	0.12	0.02	9.89			
AV	177k	34.15	54.62	-20.47	10.03	Line	-	24.12	0.12	0.02	9.89			
QP	208.5k	44.80	63.27	-18.47	10.03	Line	-	34.77	0.12	0.02	9.89			
AV	208.5k	31.92	53.27	-21.35	10.03	Line	-	21.89	0.12	0.02	9.89			
QP	393k	33.24	58.01	-24.77	10.03	Line	-	23.21	0.12	0.02	9.89			
AV	393k	26.50	48.01	-21.51	10.03	Line	-	16.47	0.12	0.02	9.89			
QP	2.229M	25.34	56.00	-30.66	10.12	Line	-	15.22	0.18	0.05	9.89			
AV	2.229M	18.41	46.00	-27.59	10.12	Line	-	8.29	0.18	0.05	9.89			
QP	5.586M	26.80	60.00	-33.20	10.24	Line	-	16.56	0.27	0.07	9.90			
AV	5.586M	19.13	50.00	-30.87	10.24	Line	-	8.89	0.27	0.07	9.90			
QP	25.251M	23.15	60.00	-36.85	10.57	Line	-	12.58	0.40	0.20	9.97			
AV	25.251M	16.05	50.00	-33.95	10.57	Line	-	5.48	0.40	0.20	9.97			

Mode 2

25/03/2022



Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)			
QP	150k	51.39	66.00	-14.61	10.07	Neutral	"Worst"	41.32	0.16	0.02	9.89			
AV	150k	36.90	56.00	-19.10	10.07	Neutral	-	26.83	0.16	0.02	9.89			
QP	177k	47.59	64.62	-17.03	10.07	Neutral	-	37.52	0.16	0.02	9.89			
AV	177k	34.16	54.62	-20.46	10.07	Neutral	-	24.09	0.16	0.02	9.89			
QP	379.5k	29.78	58.29	-28.51	10.07	Neutral	-	19.71	0.16	0.02	9.89			
AV	379.5k	21.11	48.29	-27.18	10.07	Neutral	-	11.04	0.16	0.02	9.89			
QP	1.059M	22.93	56.00	-33.07	10.08	Neutral	-	12.85	0.17	0.02	9.89			
AV	1.059M	16.16	46.00	-29.84	10.08	Neutral	-	6.08	0.17	0.02	9.89			
QP	2.22M	23.56	56.00	-32.44	10.13	Neutral	-	13.43	0.19	0.05	9.89			
AV	2.22M	16.07	46.00	-29.93	10.13	Neutral	-	5.94	0.19	0.05	9.89			
QP	5.055M	24.16	60.00	-35.84	10.21	Neutral	-	13.95	0.24	0.07	9.90			
AV	5.055M	16.60	50.00	-33.40	10.21	Neutral	-	6.39	0.24	0.07	9.90			

Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
2.4-2.4835GHz	-	-	-	-	-
802.11b_Nss1,(1Mbps)_2TX	7.05M	10.37M	10M4G1D	7.025M	10.245M
802.11g_Nss1,(6Mbps)_2TX	16.35M	16.967M	17M0D1D	16.325M	16.742M
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	19M	19.09M	19M1D1D	18.75M	18.966M
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	37.65M	37.831M	37M8D1D	37.05M	37.681M

Max-N dB = Maximum 6dB down bandwidth; Max-OBW = Maximum 99% occupied bandwidth;
Min-N dB = Minimum 6dB down bandwidth; Min-OBW = Minimum 99% occupied bandwidth

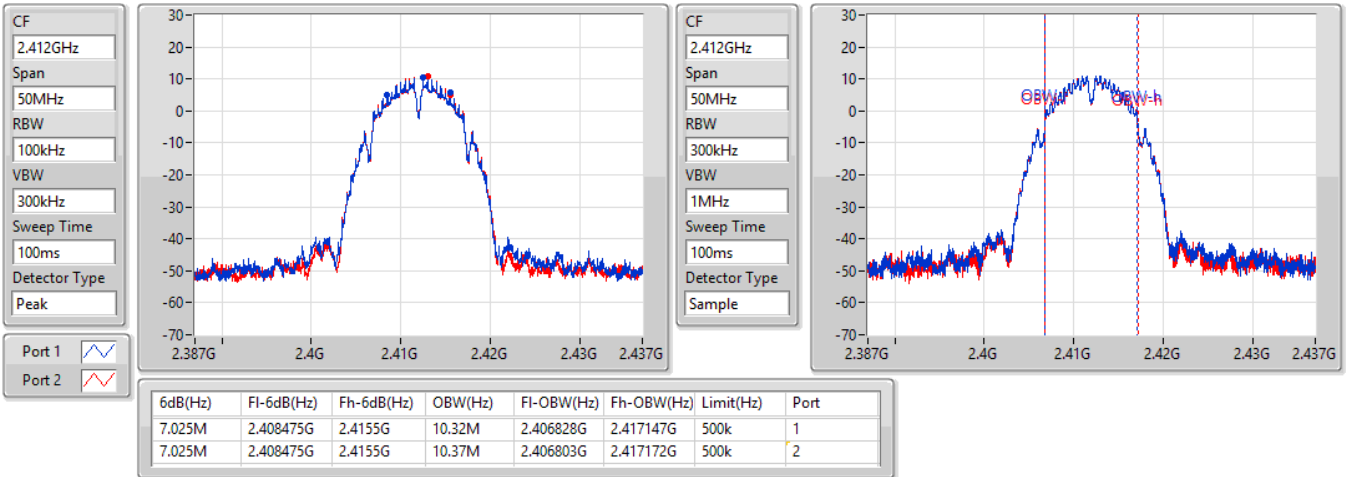
Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	7.025M	10.32M	7.025M	10.37M
2437MHz	Pass	500k	7.05M	10.245M	7.05M	10.295M
2462MHz	Pass	500k	7.05M	10.27M	7.05M	10.295M
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	16.325M	16.742M	16.35M	16.817M
2437MHz	Pass	500k	16.35M	16.942M	16.325M	16.967M
2462MHz	Pass	500k	16.35M	16.767M	16.325M	16.767M
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	18.975M	18.966M	18.925M	19.015M
2437MHz	Pass	500k	18.95M	19.015M	19M	19.09M
2462MHz	Pass	500k	19M	19.015M	18.75M	19.015M
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	500k	37.6M	37.681M	37.05M	37.731M
2437MHz	Pass	500k	37.65M	37.781M	37.3M	37.681M
2452MHz	Pass	500k	37.4M	37.831M	37.35M	37.681M

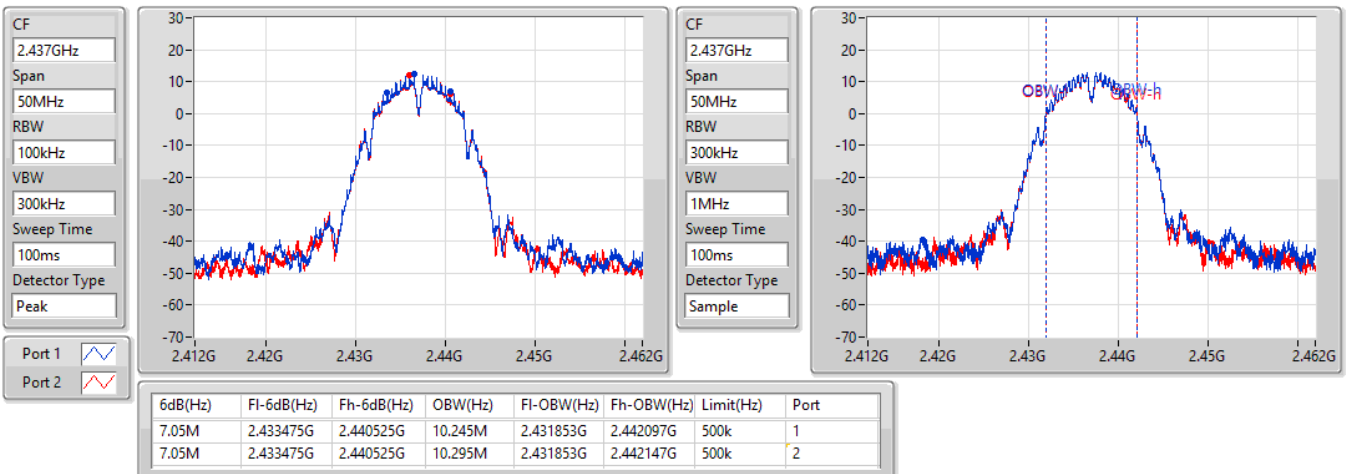
Port X-N dB = Port X 6dB down bandwidth;
Port X-OBW = Port X 99% occupied bandwidth

802.11b_Nss1,(1Mbps)_2TX
EBW
2412MHz

27/04/2022


802.11b_Nss1,(1Mbps)_2TX
EBW
2437MHz

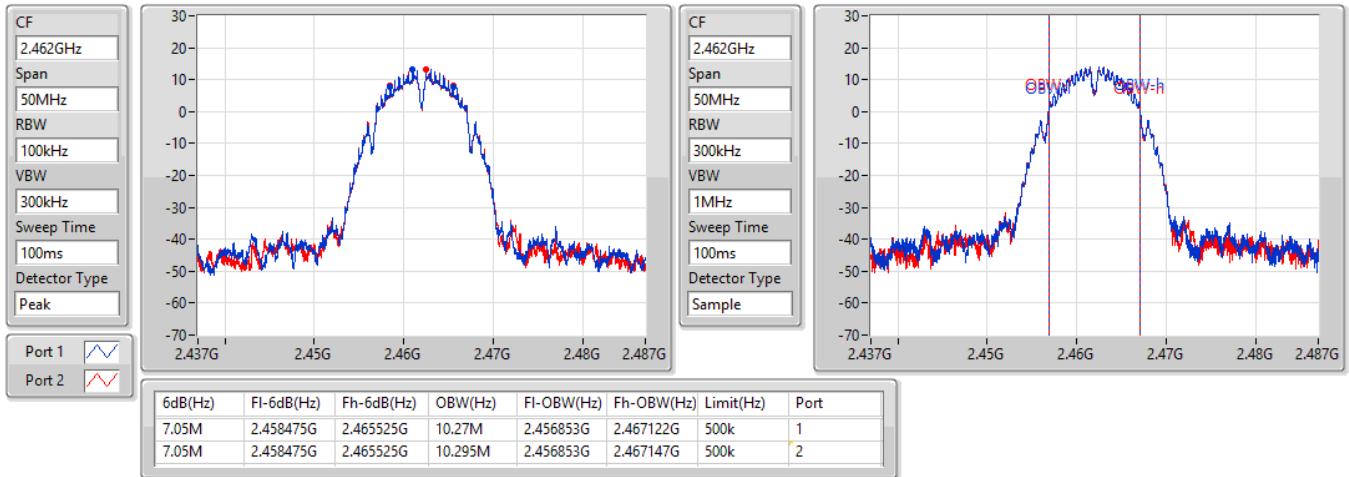
27/04/2022



802.11b_Nss1,(1Mbps)_2TX

EBW
2462MHz

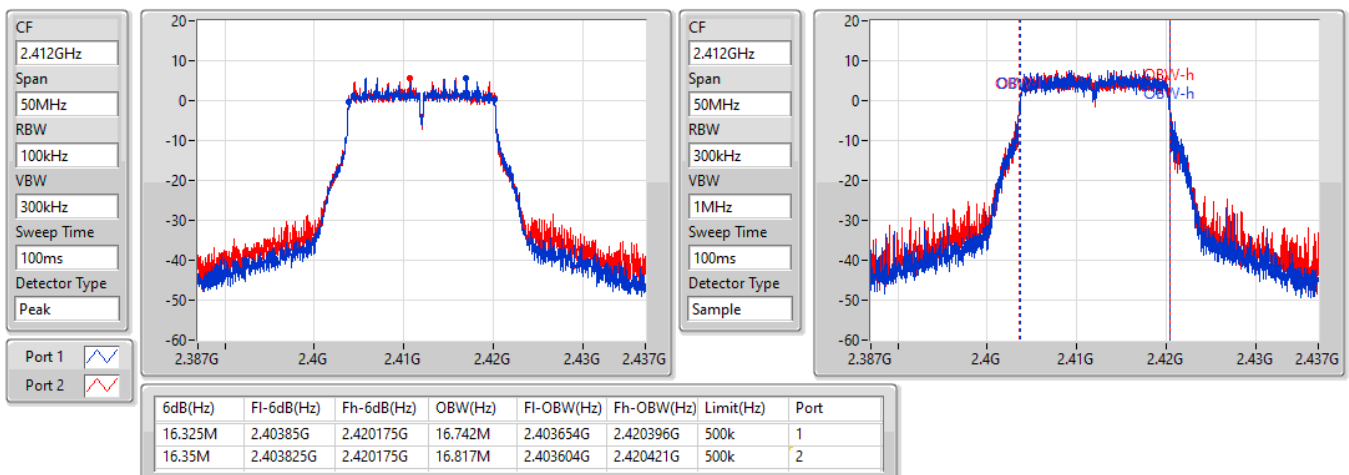
27/04/2022



802.11g_Nss1,(6Mbps)_2TX

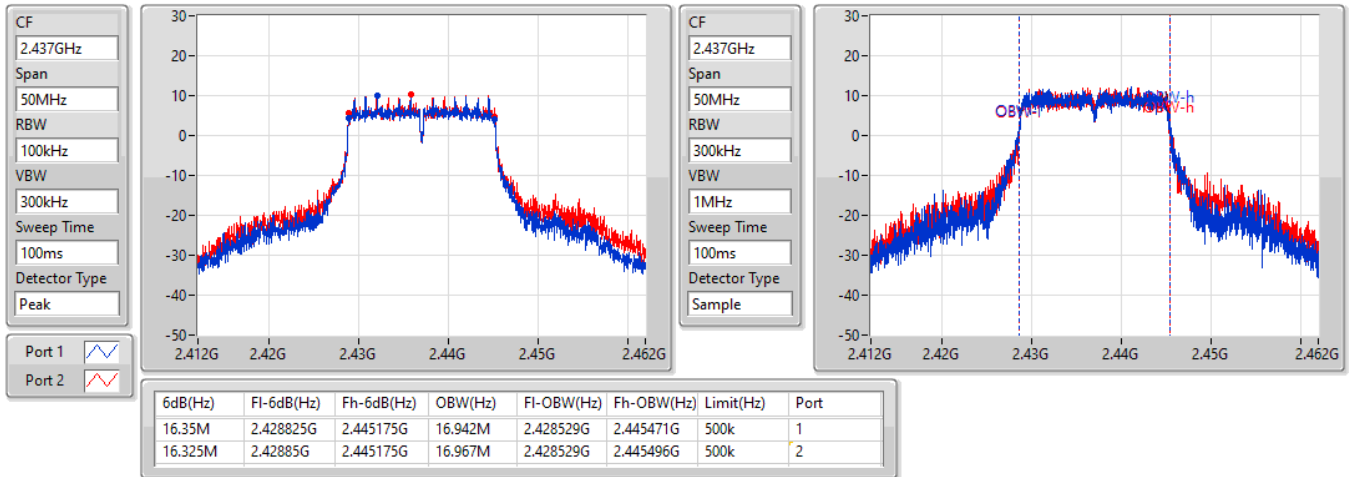
EBW
2412MHz

15/04/2022

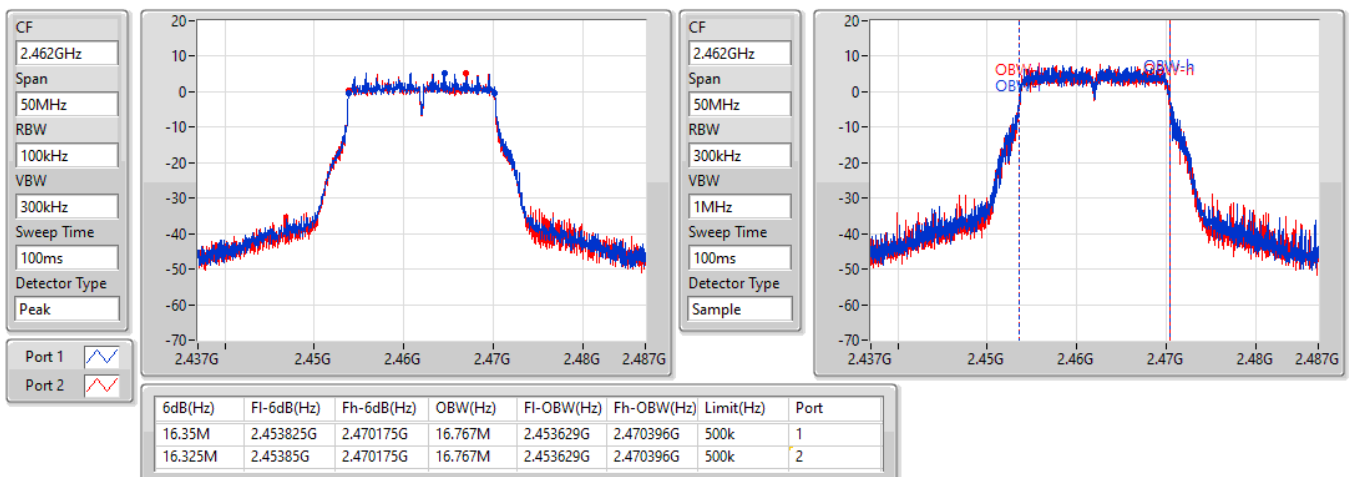


802.11g_Nss1,(6Mbps)_2TX
EBW
2437MHz

15/04/2022

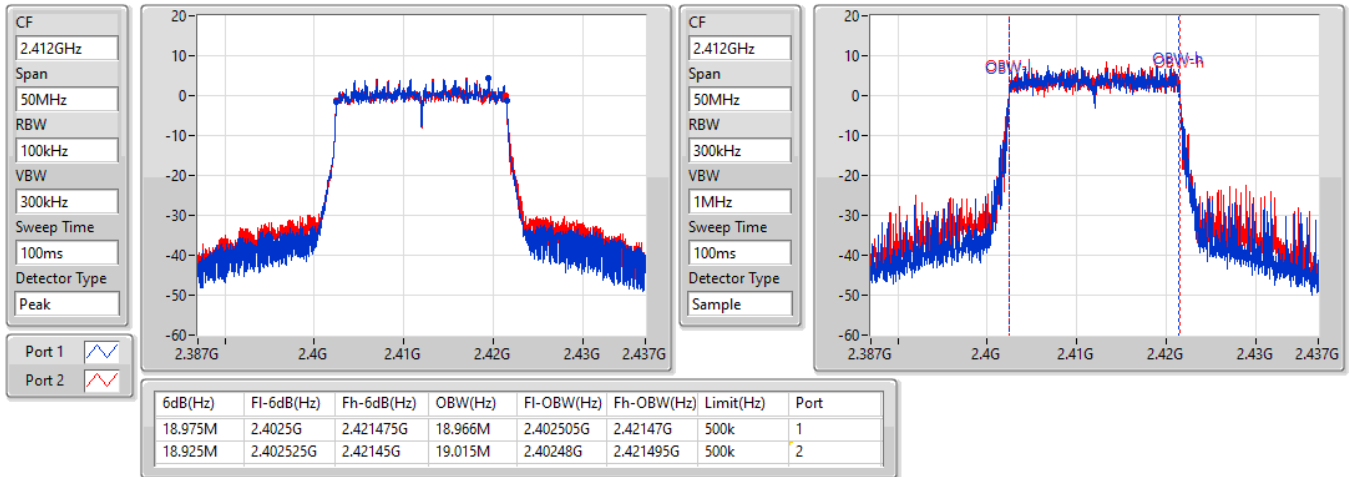

802.11g_Nss1,(6Mbps)_2TX
EBW
2462MHz

15/04/2022

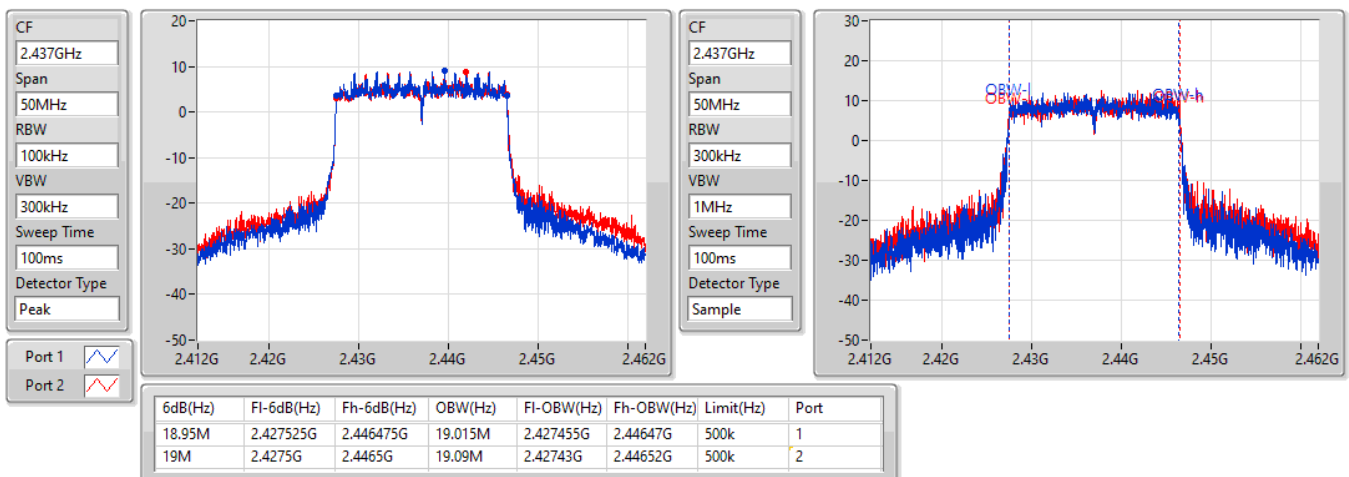


802.11ax HEW20-BF_Nss1,(MCS0)_2TX
EBW
2412MHz

15/04/2022

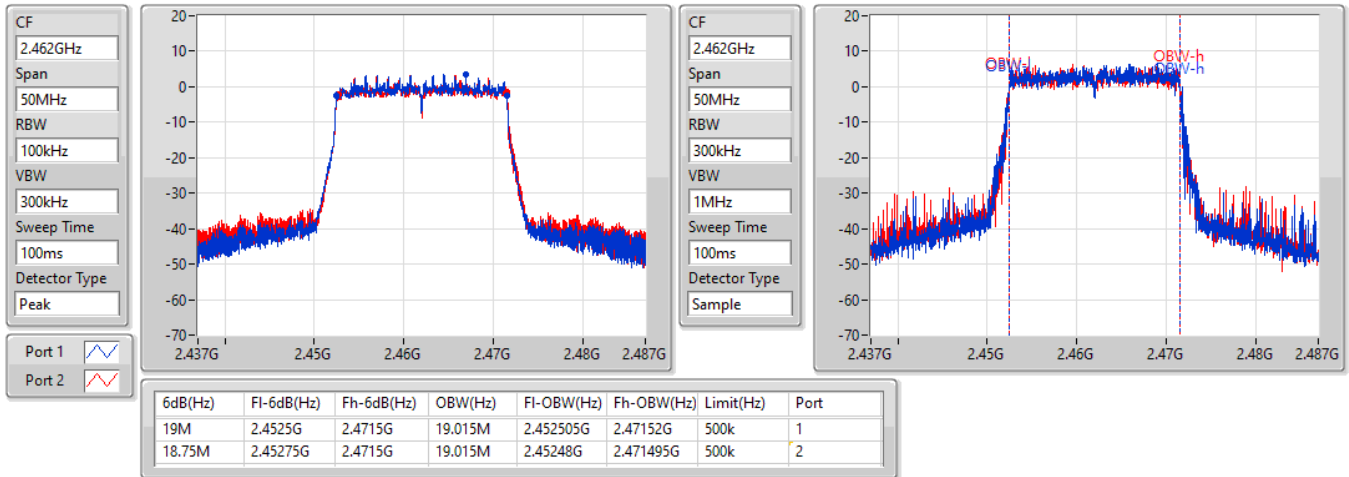

802.11ax HEW20-BF_Nss1,(MCS0)_2TX
EBW
2437MHz

15/04/2022

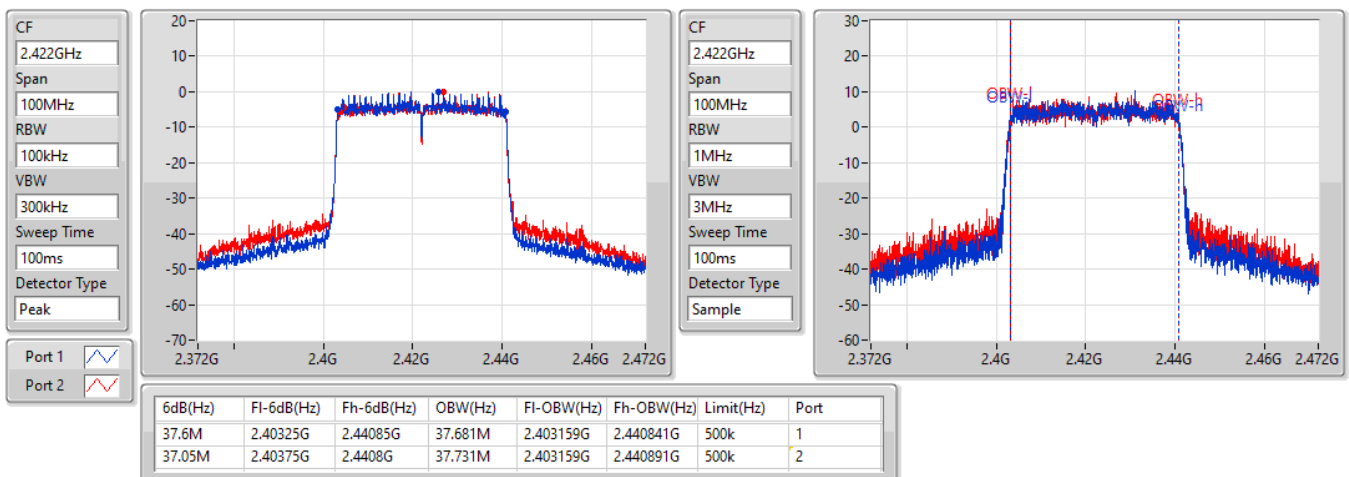


802.11ax HEW20-BF_Nss1,(MCS0)_2TX
EBW
2462MHz

15/04/2022

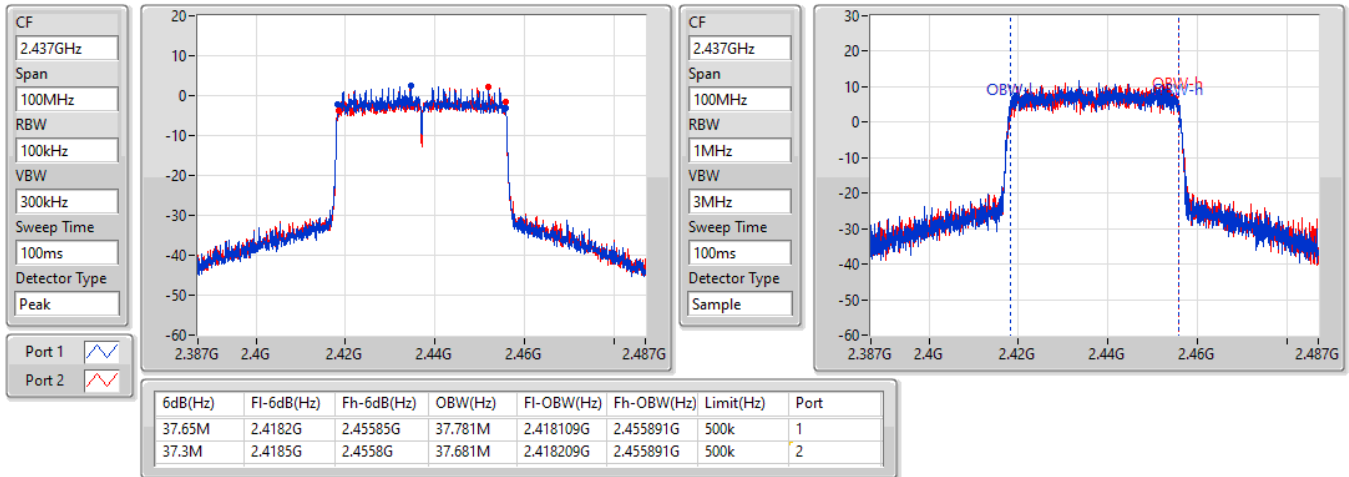

802.11ax HEW40-BF_Nss1,(MCS0)_2TX
EBW
2422MHz

15/04/2022

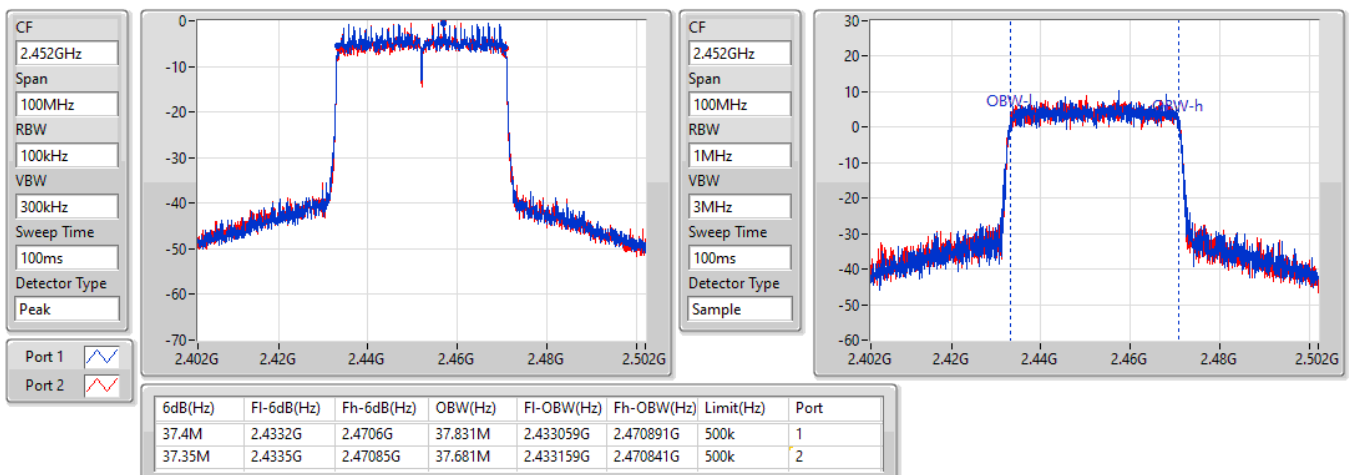


802.11ax HEW40-BF_Nss1,(MCS0)_2TX
EBW
2437MHz

15/04/2022


802.11ax HEW40-BF_Nss1,(MCS0)_2TX
EBW
2452MHz

15/04/2022





Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11b_Nss1,(1Mbps)_2TX	23.81	0.24044
802.11g_Nss1,(6Mbps)_2TX	24.28	0.26792
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	23.47	0.22233
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	19.43	0.08770

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	2.73	17.75	17.58	20.68	30.00
2437MHz	Pass	2.73	19.27	19.34	22.32	30.00
2462MHz	Pass	2.73	20.79	20.81	23.81	30.00
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	2.73	16.92	16.81	19.88	30.00
2417MHz	Pass	2.73	18.83	18.78	21.82	30.00
2437MHz	Pass	2.73	21.18	21.35	24.28	30.00
2457MHz	Pass	2.73	17.11	17.03	20.08	30.00
2462MHz	Pass	2.73	16.57	16.39	19.49	30.00
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	2.95	16.04	16.01	19.04	30.00
2417MHz	Pass	2.95	17.46	17.32	20.40	30.00
2437MHz	Pass	2.95	20.54	20.37	23.47	30.00
2457MHz	Pass	2.95	16.39	16.07	19.24	30.00
2462MHz	Pass	2.95	14.89	14.68	17.80	30.00
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	2.95	14.09	14.03	17.07	30.00
2437MHz	Pass	2.95	16.49	16.35	19.43	30.00
2452MHz	Pass	2.95	13.77	13.73	16.76	30.00

DG = Directional Gain; Port X = Port X output power

Summary

Mode	PD (dBm/RBW)
2.4-2.4835GHz	-
802.11b_Nss1,(1Mbps)_2TX	0.68
802.11g_Nss1,(6Mbps)_2TX	-1.96
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-1.42
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-9.52

RBW = 3kHz;

Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	2.95	-3.30	-5.26	-2.24	8.00
2437MHz	Pass	2.95	-1.64	-3.41	-0.63	8.00
2462MHz	Pass	2.95	-0.39	-1.74	0.68	8.00
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	2.95	-8.59	-8.38	-5.47	8.00
2437MHz	Pass	2.95	-4.51	-4.45	-1.96	8.00
2462MHz	Pass	2.95	-8.82	-9.04	-6.38	8.00
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	2.95	-8.81	-8.75	-5.78	8.00
2437MHz	Pass	2.95	-4.32	-4.54	-1.42	8.00
2462MHz	Pass	2.95	-10.01	-10.73	-7.34	8.00
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	2.95	-14.47	-14.70	-11.82	8.00
2437MHz	Pass	2.95	-11.85	-12.51	-9.52	8.00
2452MHz	Pass	2.95	-14.91	-14.51	-12.01	8.00

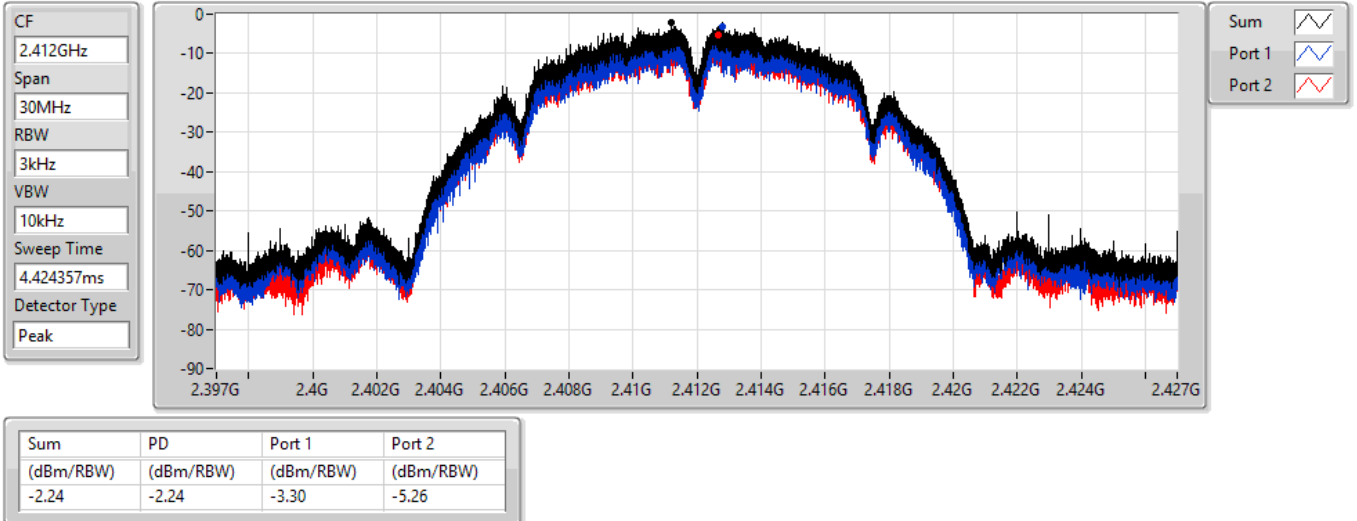
DG = Directional Gain; RBW = 3kHz;
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; Port X = Port X Power Density;

802.11b_Nss1,(1Mbps)_2TX

PSD

2412MHz

27/04/2022

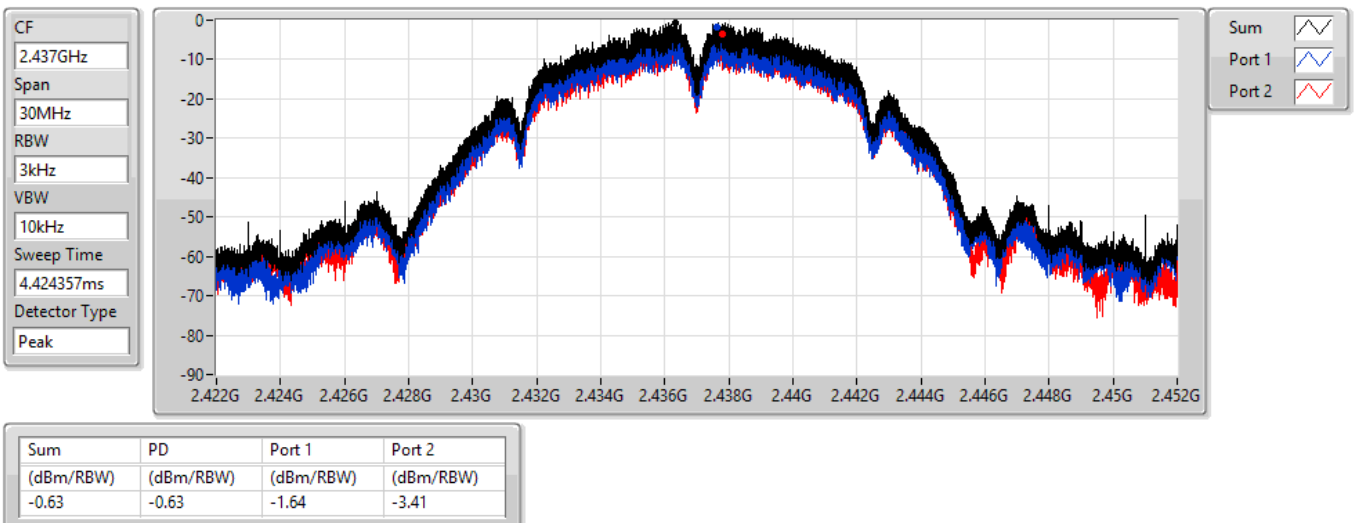


802.11b_Nss1,(1Mbps)_2TX

PSD

2437MHz

27/04/2022

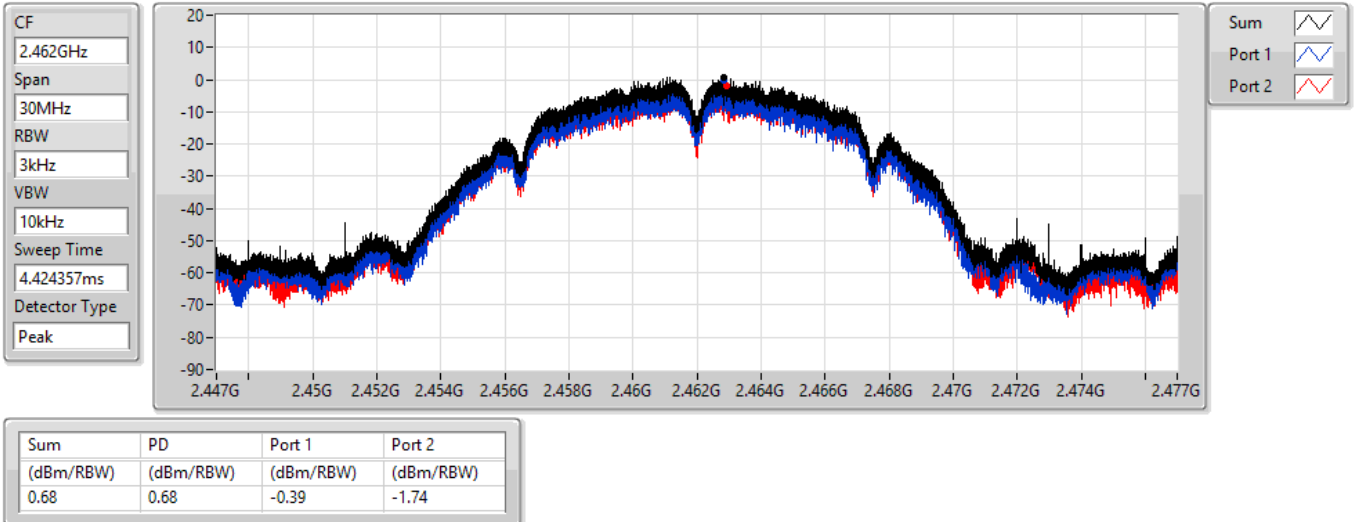


802.11b_Nss1,(1Mbps)_2TX

PSD

2462MHz

27/04/2022

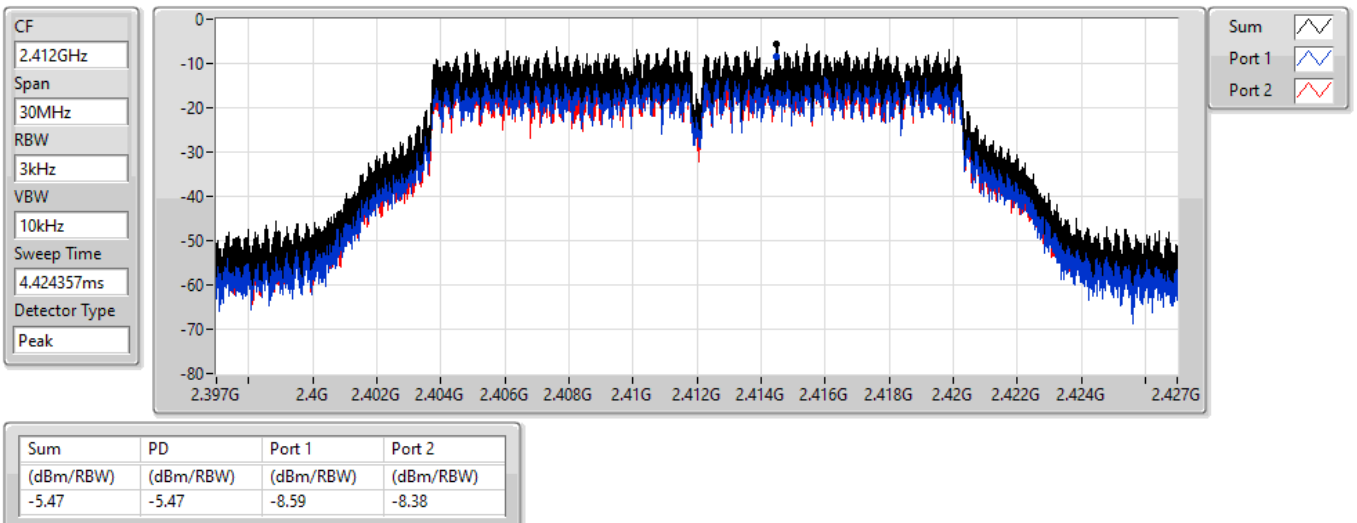


802.11g_Nss1,(6Mbps)_2TX

PSD

2412MHz

15/04/2022

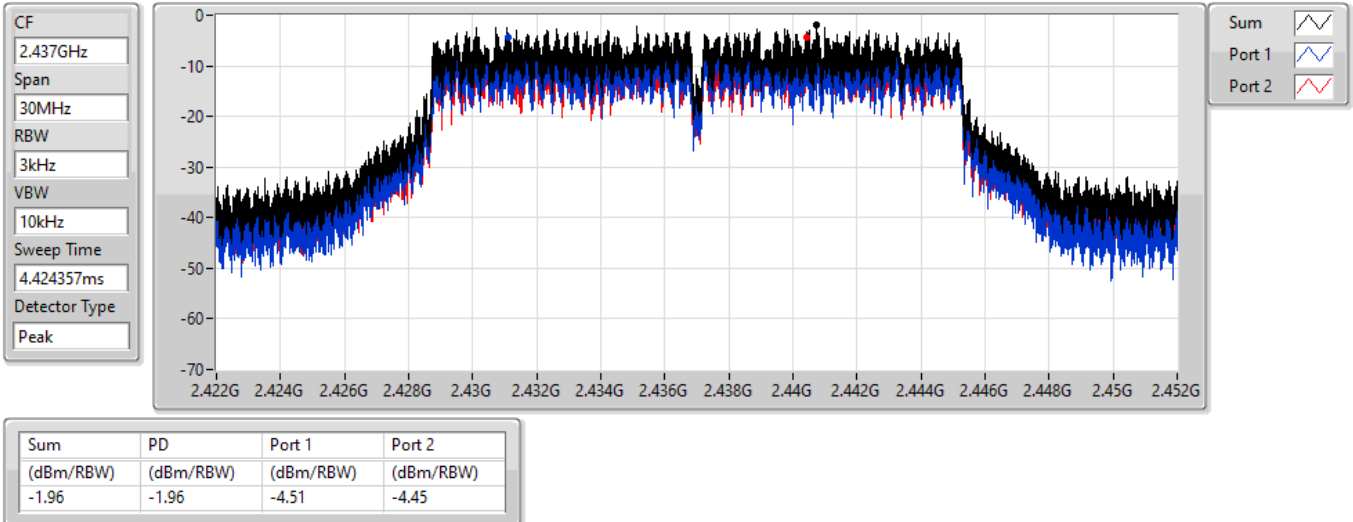


802.11g_Nss1,(6Mbps)_2TX

PSD

2437MHz

15/04/2022

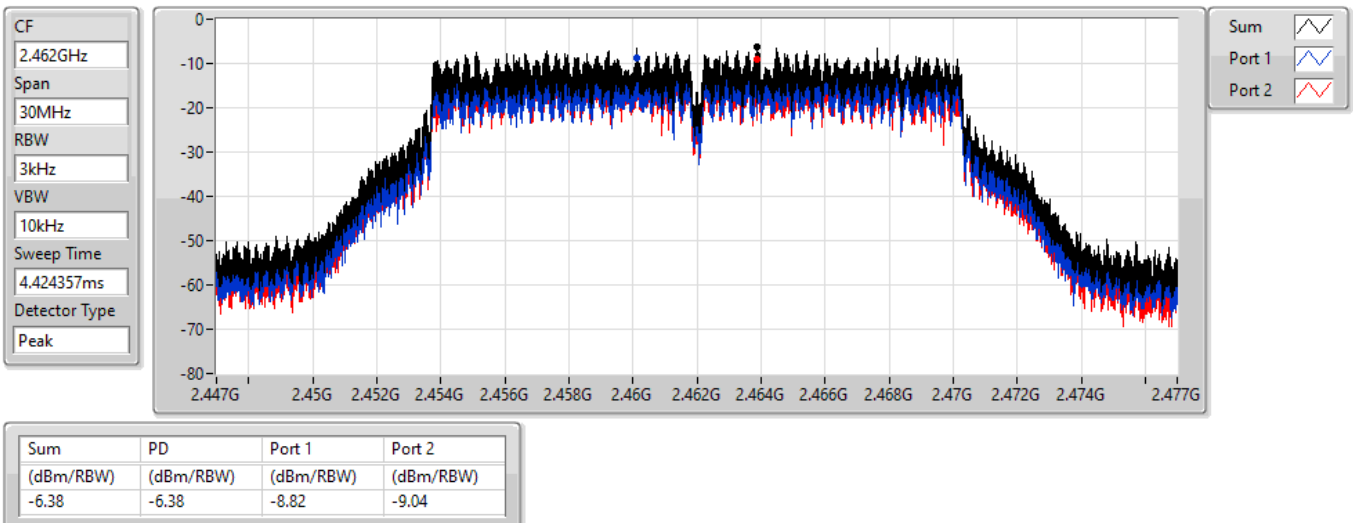


802.11g_Nss1,(6Mbps)_2TX

PSD

2462MHz

15/04/2022

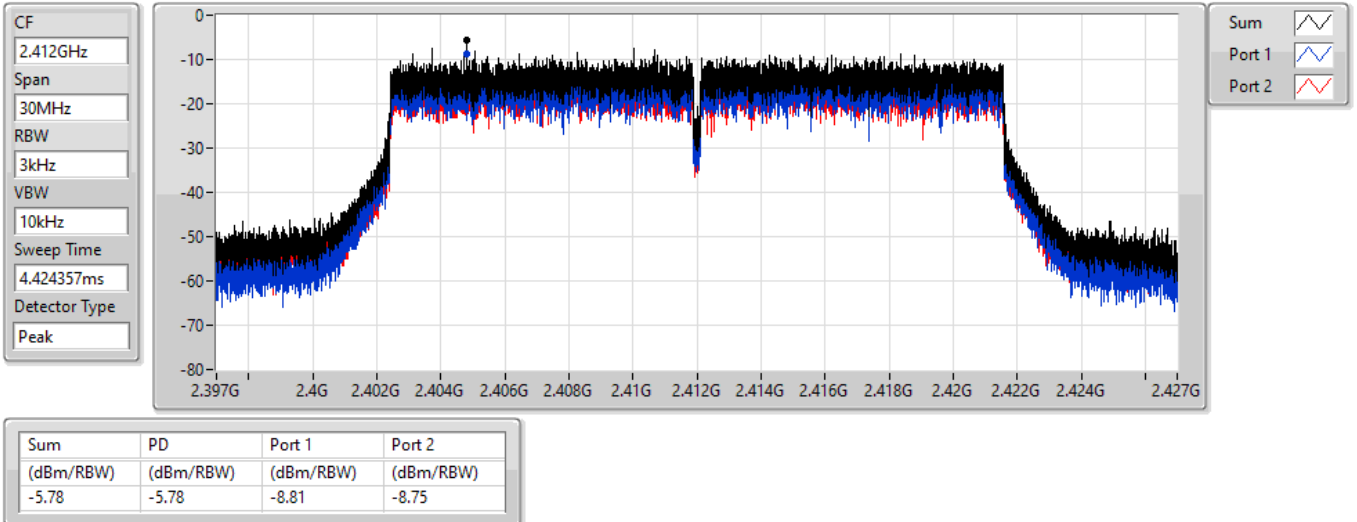


802.11ax HEW20-BF_Nss1,(MCS0)_2TX

PSD

2412MHz

15/04/2022

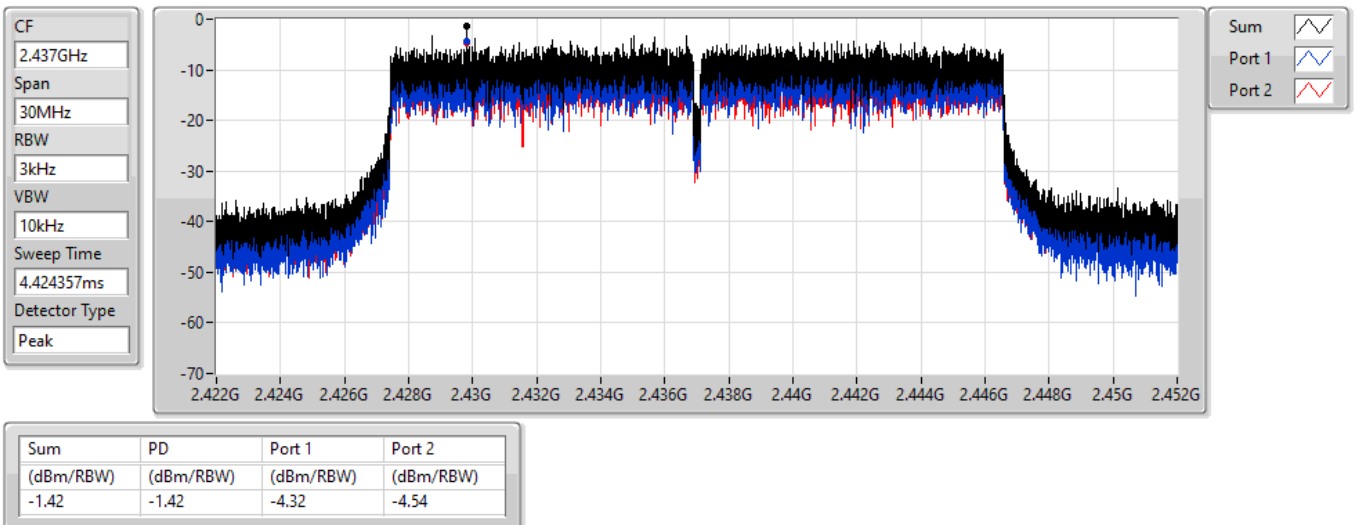


802.11ax HEW20-BF_Nss1,(MCS0)_2TX

PSD

2437MHz

15/04/2022

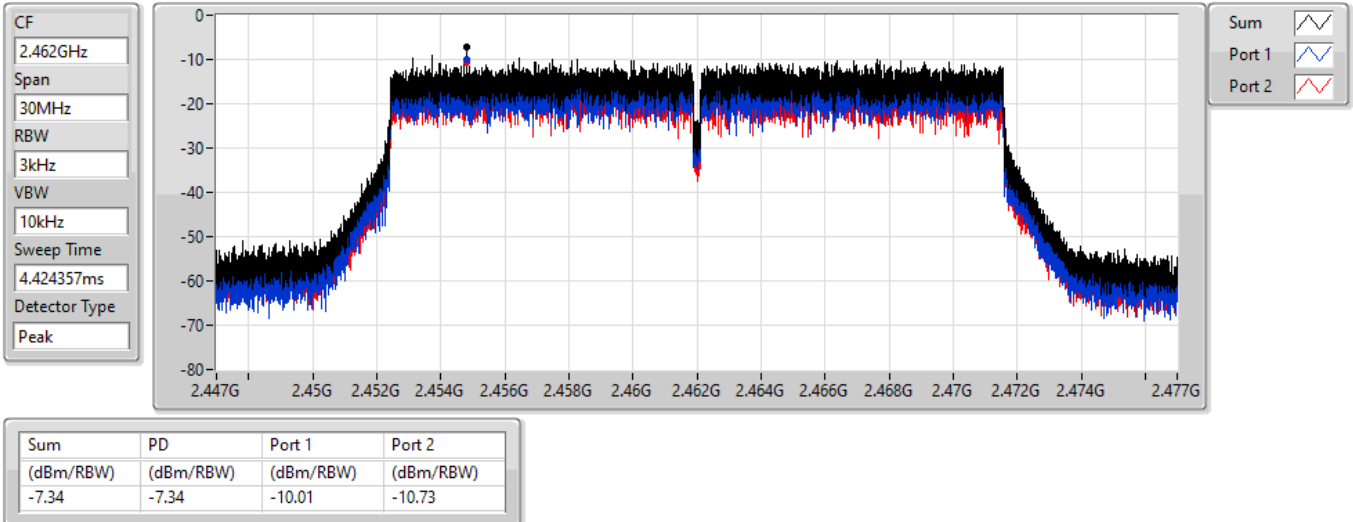


802.11ax HEW20-BF_Nss1,(MCS0)_2TX

PSD

2462MHz

15/04/2022

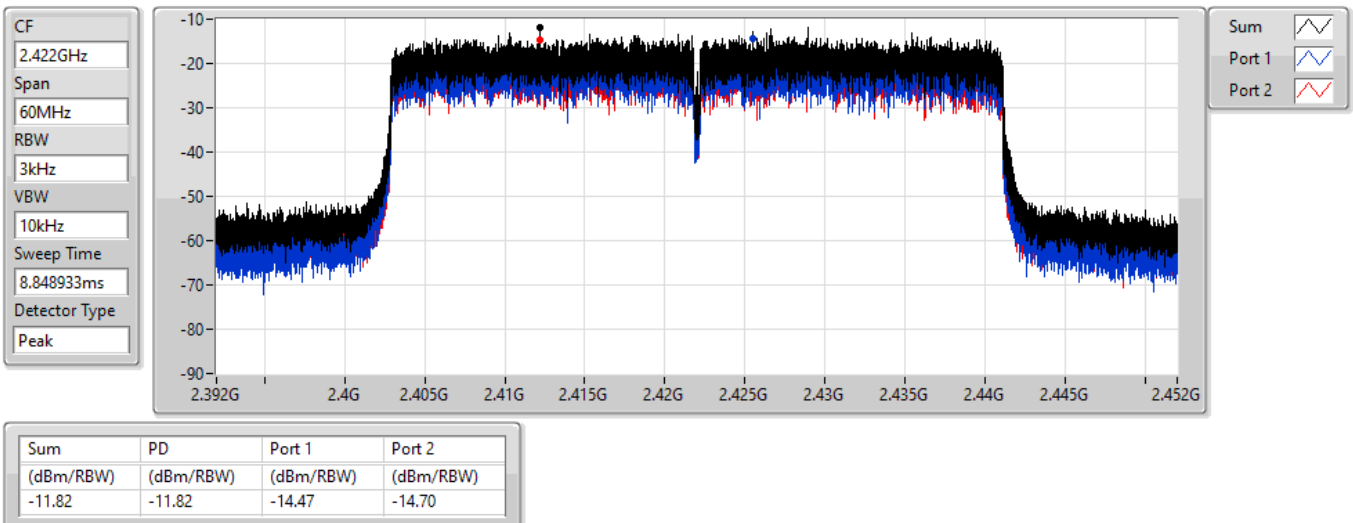


802.11ax HEW40-BF_Nss1,(MCS0)_2TX

PSD

2422MHz

15/04/2022

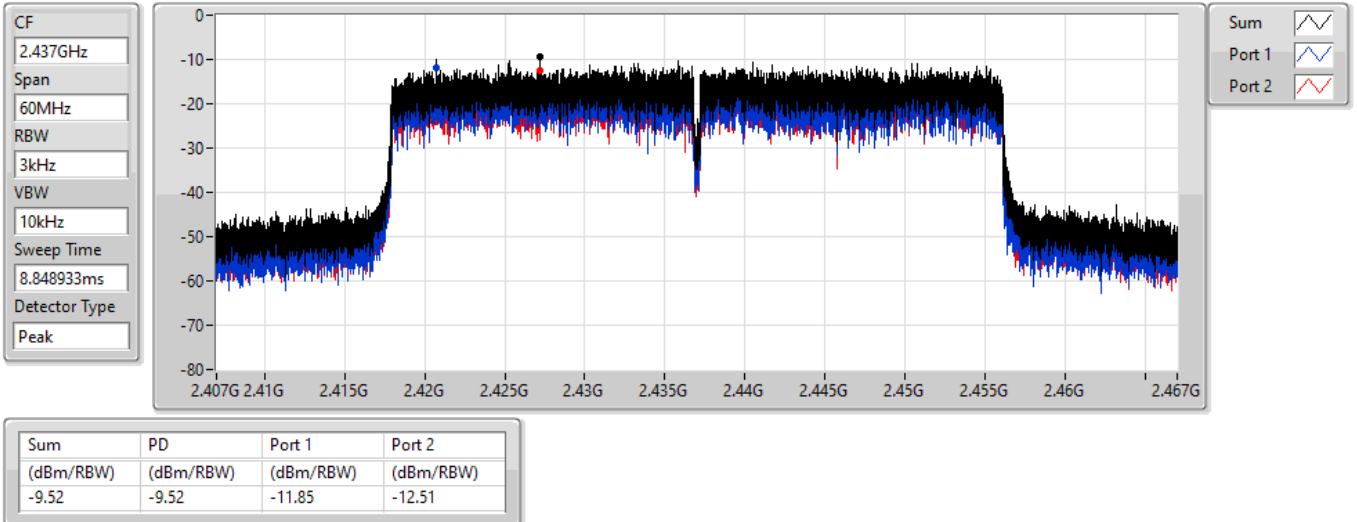


802.11ax HEW40-BF_Nss1,(MCS0)_2TX

PSD

2437MHz

15/04/2022

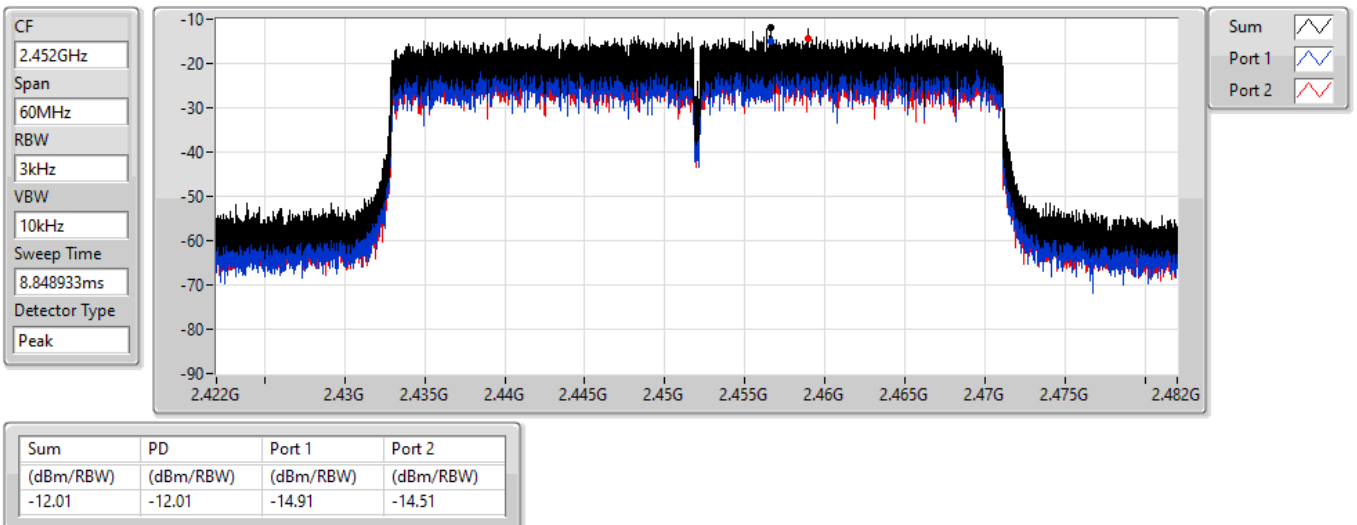


802.11ax HEW40-BF_Nss1,(MCS0)_2TX

PSD

2452MHz

15/04/2022





Summary

Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
802.11b_Nss1,(1Mbps)_2TX	Pass	2.461G	13.52	-16.48	944.53M	-52.37	2.39404G	-49.18	2.4835G	-43.05	2.48396G	-41.74	9.84803G	-44.04	1
802.11g_Nss1,(6Mbps)_2TX	Pass	2.44451G	10.45	-19.55	2.30903G	-52.08	2.39922G	-28.52	2.4G	-35.23	2.48714G	-49.87	7.23795G	-41.33	2
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	Pass	2.442G	9.25	-20.75	849.29M	-51.55	2.3999G	-29.46	2.4G	-33.38	2.51528G	-49.40	7.23795G	-43.26	2
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	Pass	2.43449G	2.44	-27.56	749.06M	-52.17	2.39952G	-33.79	2.4G	-37.14	2.48514G	-39.90	17.69411G	-43.76	1

Result

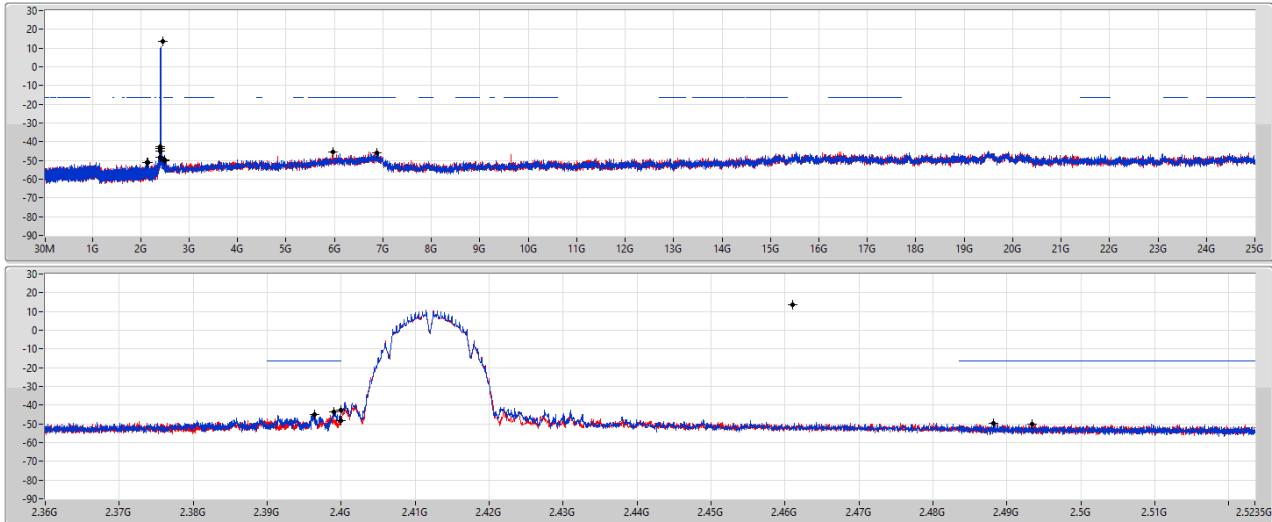
Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.461G	13.52	-16.48	2.15001G	-51.26	2.399G	-43.56	2.4G	-42.75	2.49334G	-50.35	6.86989G	-45.76	1
2412MHz	Pass	2.461G	13.52	-16.48	2.13923G	-51.15	2.39644G	-45.01	2.4G	-48.06	2.48818G	-49.81	5.96521G	-45.34	2
2437MHz	Pass	2.461G	13.52	-16.48	884.82M	-52.73	2.39752G	-46.14	2.4G	-49.60	2.49068G	-47.85	24.58699G	-45.63	1
2437MHz	Pass	2.461G	13.52	-16.48	2.15671G	-52.31	2.39446G	-47.75	2.4835G	-51.15	2.48584G	-46.72	9.74689G	-41.59	2
2462MHz	Pass	2.461G	13.52	-16.48	944.53M	-52.37	2.39404G	-49.18	2.4835G	-43.05	2.48396G	-41.74	9.84803G	-44.04	1
2462MHz	Pass	2.461G	13.52	-16.48	846.37M	-52.06	2.39464G	-49.84	2.4835G	-42.68	2.48848G	-41.76	9.84803G	-37.93	2
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.44451G	10.45	-19.55	2.30437G	-51.80	2.39982G	-34.82	2.4G	-33.38	2.51872G	-49.15	7.23514G	-40.98	1
2412MHz	Pass	2.44451G	10.45	-19.55	2.30903G	-52.08	2.39922G	-28.52	2.4G	-35.23	2.48714G	-49.87	7.23795G	-41.33	2
2437MHz	Pass	2.44451G	10.45	-19.55	858.02M	-51.25	2.39984G	-34.34	2.4G	-37.27	2.4857G	-42.57	16.56569G	-42.96	1
2437MHz	Pass	2.44451G	10.45	-19.55	947.73M	-50.77	2.39734G	-33.97	2.4G	-38.89	2.48446G	-35.76	15.32668G	-43.75	2
2462MHz	Pass	2.44451G	10.45	-19.55	2.14244G	-51.33	2.39326G	-49.31	2.4835G	-46.94	2.4837G	-40.67	17.69795G	-44.09	1
2462MHz	Pass	2.44451G	10.45	-19.55	2.18729G	-51.13	2.39662G	-50.39	2.4835G	-43.45	2.4835G	-41.57	24.80895G	-43.64	2
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.442G	9.25	-20.75	957.05M	-51.64	2.39986G	-32.80	2.4G	-38.47	2.48618G	-48.88	7.23795G	-42.70	1
2412MHz	Pass	2.442G	9.25	-20.75	849.29M	-51.55	2.3999G	-29.46	2.4G	-33.38	2.51528G	-49.40	7.23795G	-43.26	2
2437MHz	Pass	2.442G	9.25	-20.75	761.62M	-51.38	2.39816G	-37.11	2.4G	-39.43	2.48386G	-41.07	24.88481G	-43.93	1
2437MHz	Pass	2.442G	9.25	-20.75	893.27M	-51.48	2.39628G	-36.97	2.4G	-38.85	2.48466G	-37.25	17.69795G	-42.99	2
2462MHz	Pass	2.442G	9.25	-20.75	528.33M	-52.25	2.4G	-49.89	2.4835G	-41.75	2.48446G	-40.60	24.51676G	-43.99	1
2462MHz	Pass	2.442G	9.25	-20.75	1.87449G	-50.85	2.3998G	-50.57	2.4835G	-47.09	2.48356G	-38.06	14.90524G	-43.73	2
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	2.43449G	2.44	-27.56	959.17M	-52.19	2.39856G	-39.92	2.4G	-42.76	2.48446G	-49.15	17.14442G	-44.09	1
2422MHz	Pass	2.43449G	2.44	-27.56	671.77M	-49.66	2.39992G	-34.88	2.4G	-38.52	2.48598G	-48.45	23.55004G	-44.15	2
2437MHz	Pass	2.43449G	2.44	-27.56	749.06M	-52.17	2.39952G	-33.79	2.4G	-37.14	2.48514G	-39.90	17.69411G	-43.76	1
2437MHz	Pass	2.43449G	2.44	-27.56	2.09472G	-52.21	2.39952G	-34.04	2.4G	-37.41	2.48454G	-39.67	23.46871G	-43.77	2
2452MHz	Pass	2.43449G	2.44	-27.56	1.77126G	-51.70	2.39864G	-46.51	2.4835G	-44.54	2.48454G	-40.87	24.98037G	-43.30	1
2452MHz	Pass	2.43449G	2.44	-27.56	809.17M	-52.05	2.39952G	-47.20	2.4835G	-43.50	2.48446G	-39.60	23.47712G	-43.97	2

802.11b_Nss1,(1Mbps)_2TX

2412MHz

CSENdB

27/04/2022



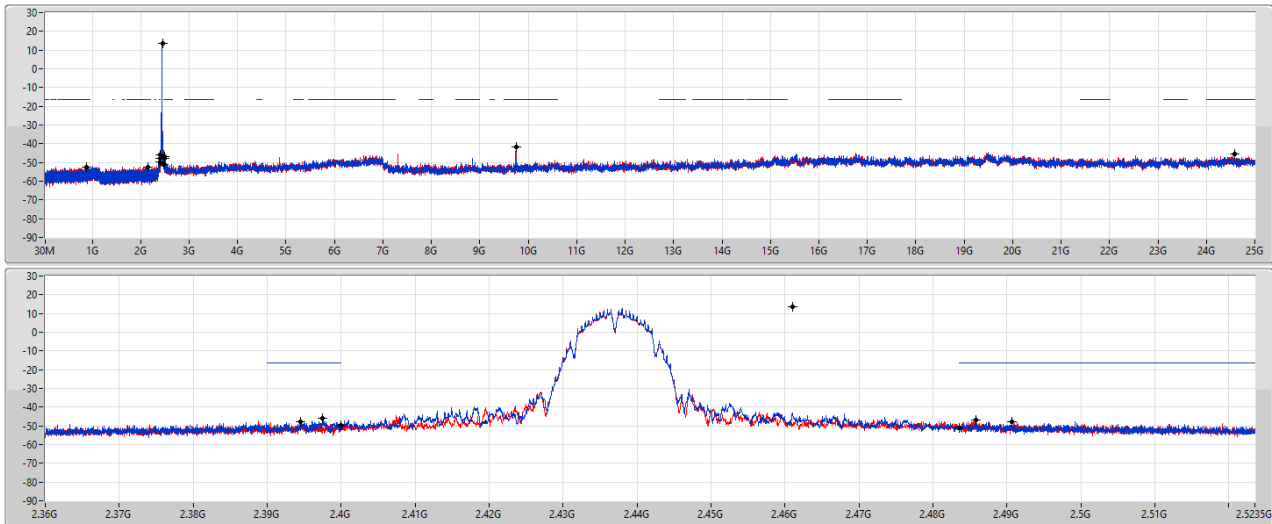
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2.461G	13.52	-16.48	2.15001G	-51.26	2.399G	-43.56	2.4G	-42.75	2.49334G	-50.35	6.86989G	-45.76	1
2.461G	13.52	-16.48	2.13923G	-51.15	2.39644G	-45.01	2.4G	-48.06	2.48818G	-49.81	5.96521G	-45.34	2

802.11b_Nss1,(1Mbps)_2TX

2437MHz

CSENdB

27/04/2022



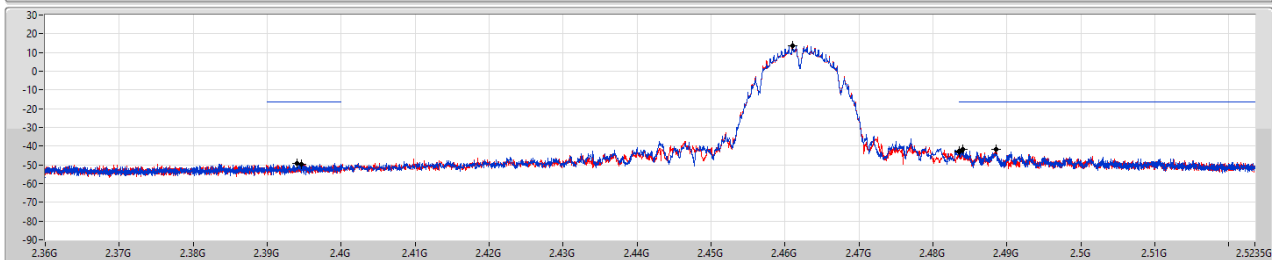
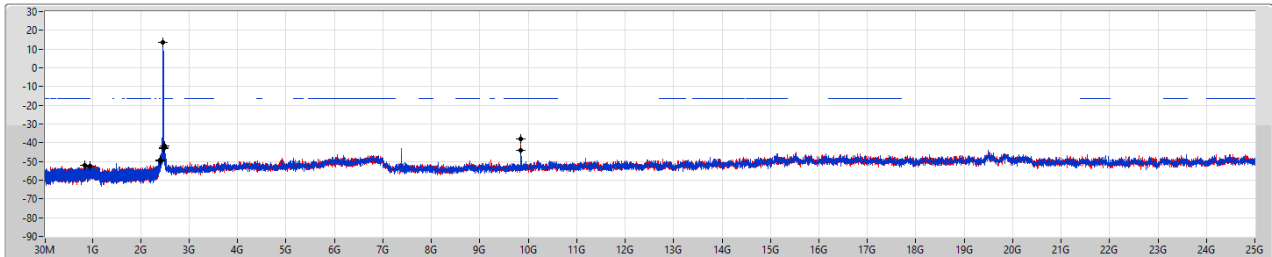
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2.461G	13.52	-16.48	884.82M	-52.73	2.39752G	-46.14	2.4G	-49.60	2.49068G	-47.85	24.58699G	-45.63	1
2.461G	13.52	-16.48	2.15671G	-52.31	2.39446G	-47.75	2.4835G	-51.15	2.48584G	-46.72	9.74689G	-41.59	2

802.11b_Nss1,(1Mbps)_2TX

2462MHz

CSEndB

27/04/2022



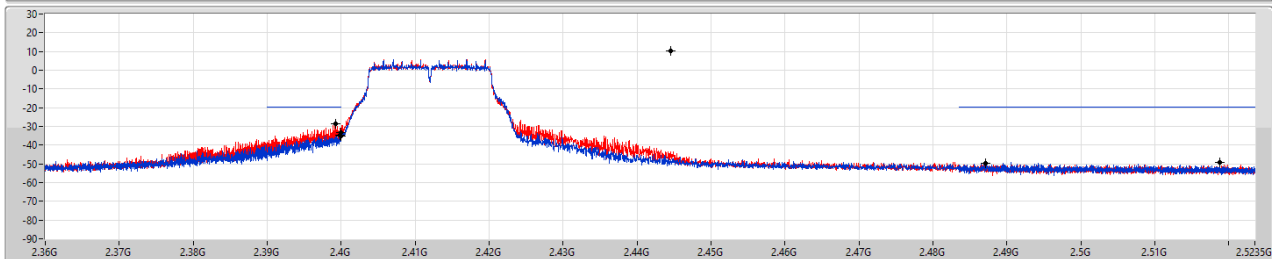
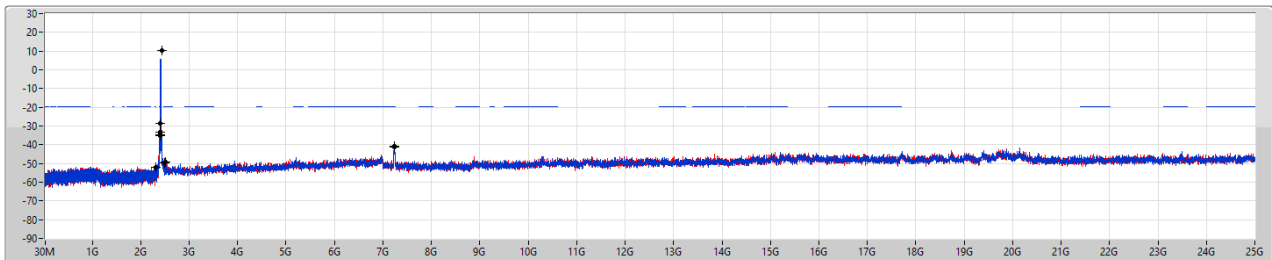
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2.461G	13.52	-16.48	944.53M	-52.37	2.39404G	-49.18	2.4835G	-43.05	2.48396G	-41.74	9.84803G	-44.04	1
2.461G	13.52	-16.48	846.37M	-52.06	2.39464G	-49.84	2.4835G	-42.68	2.48848G	-41.76	9.84803G	-37.93	2

802.11g_Nss1,(6Mbps)_2TX

2412MHz

CSEndB

15/04/2022



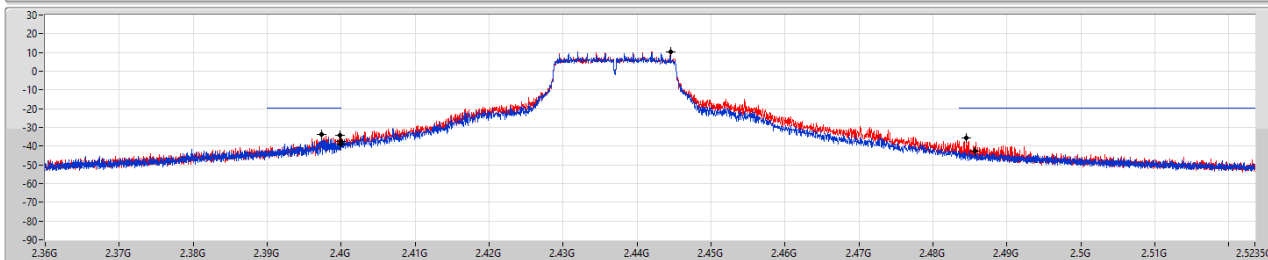
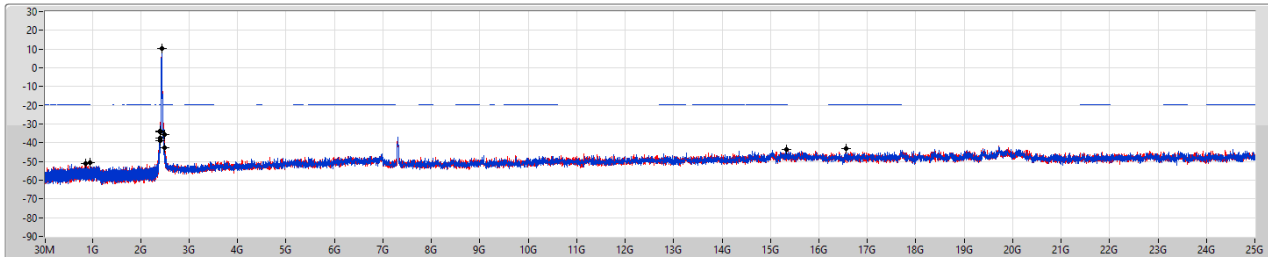
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2.44451G	10.45	-19.55	2.30437G	-51.80	2.39982G	-34.82	2.4G	-33.38	2.51872G	-49.15	7.23514G	-40.98	1
2.44451G	10.45	-19.55	2.30903G	-52.08	2.39922G	-28.52	2.4G	-39.23	2.48714G	-49.87	7.23795G	-41.33	2

802.11g_Nss1,(6Mbps)_2TX

2437MHz

CSENdB

15/04/2022



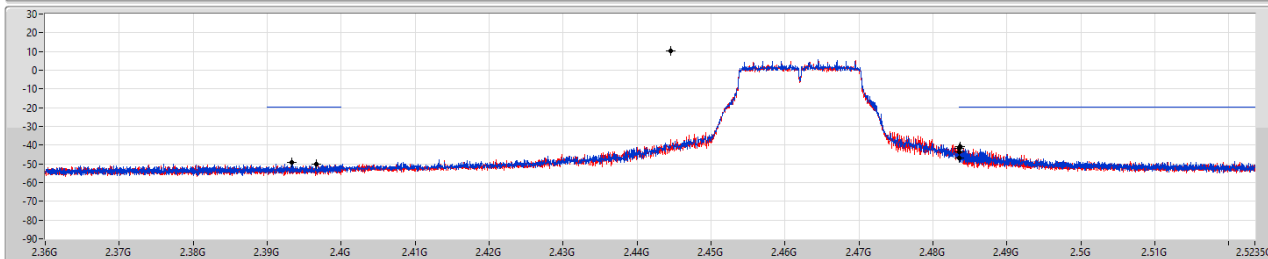
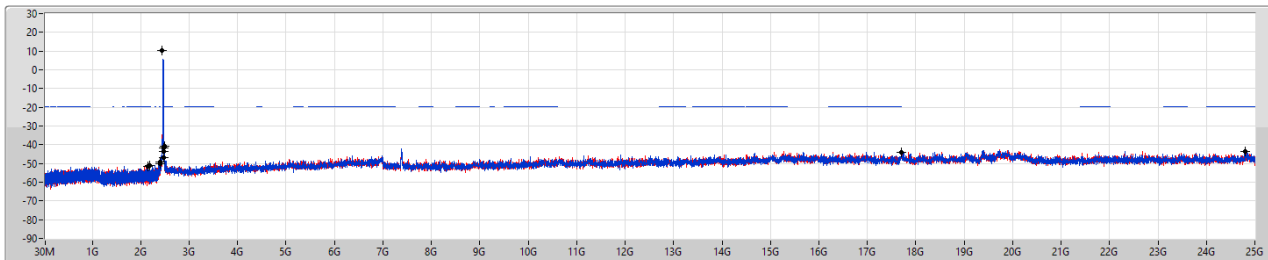
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.44451G	10.45	-19.55	858.02M	-51.25	2.39984G	-34.34	2.4G	-37.27	2.4857G	-42.57	16.5659G	-42.96	1
2.44451G	10.45	-19.55	947.73M	-50.77	2.39734G	-33.97	2.4G	-38.89	2.48446G	-35.76	15.32668G	-43.75	2

802.11g_Nss1,(6Mbps)_2TX

2462MHz

CSENdB

15/04/2022



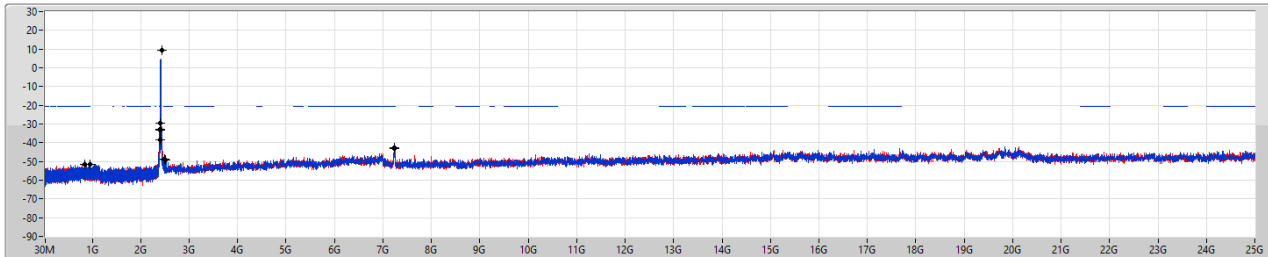
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2.44451G	10.45	-19.55	2.14244G	-51.33	2.39326G	-49.31	2.4835G	-46.94	2.4837G	-40.67	17.69795G	-44.09	1
2.44451G	10.45	-19.55	2.18729G	-51.13	2.39662G	-50.39	2.4835G	-43.45	2.4835G	-41.57	24.80895G	-43.64	2

802.11ax HEW20-BF_Nss1,(MCS0)_2TX

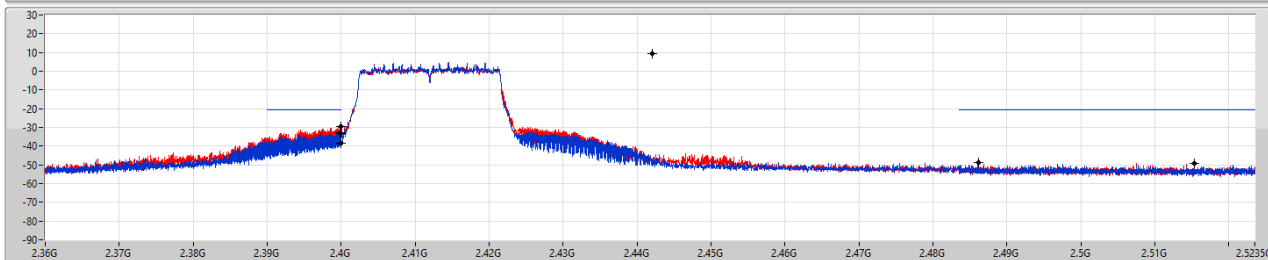
2412MHz

CSENdB

15/04/2022



Port 1
Port 2



RBW (Hz)
100k
VBW (Hz)
300k
Detector
Peak

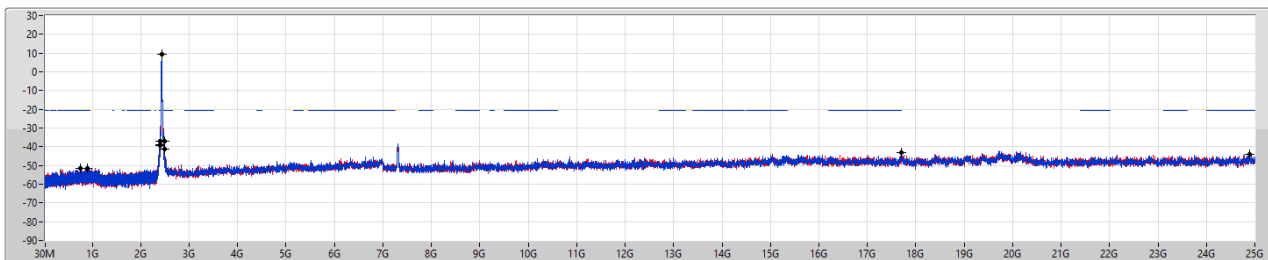
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.442G	9.25	-20.75	957.05M	-51.64	2.39986G	-32.80	2.4G	-38.47	2.48618G	-48.88	7.23795G	-42.70	1
2.442G	9.25	-20.75	849.29M	-51.55	2.3999G	-29.46	2.4G	-33.38	2.51528G	-49.40	7.23795G	-43.26	2

802.11ax HEW20-BF_Nss1,(MCS0)_2TX

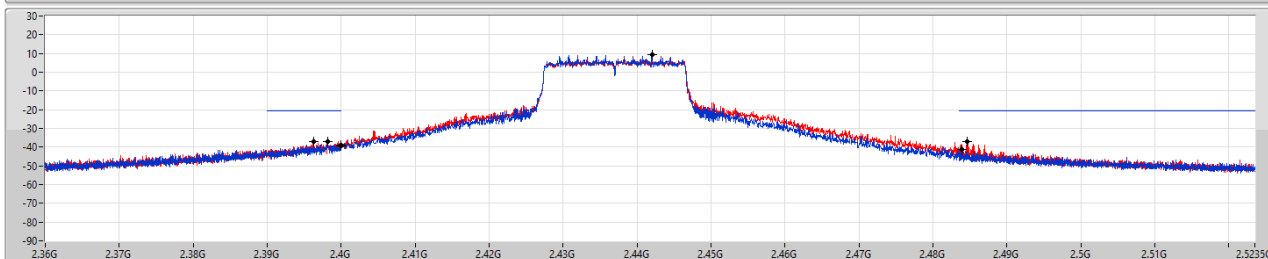
2437MHz

CSENdB

15/04/2022



Port 1
Port 2



RBW (Hz)
100k
VBW (Hz)
300k
Detector
Peak

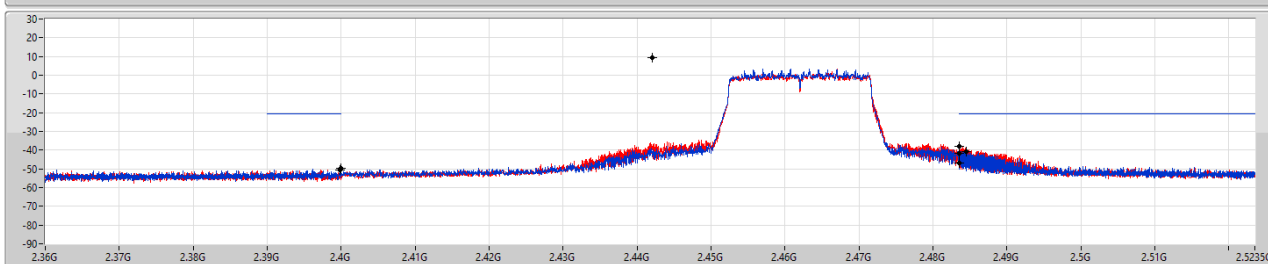
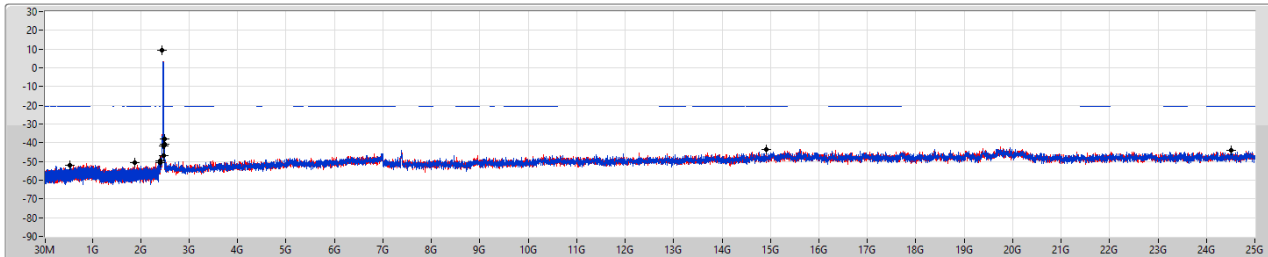
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.442G	9.25	-20.75	761.62M	-51.38	2.39816G	-37.11	2.4G	-39.43	2.48386G	-41.07	24.80481G	-43.93	1
2.442G	9.25	-20.75	893.27M	-51.48	2.39628G	-36.97	2.4G	-38.85	2.48466G	-37.25	17.69795G	-42.99	2

802.11ax HEW20-BF_Nss1,(MCS0)_2TX

2462MHz

CSENdB

15/04/2022



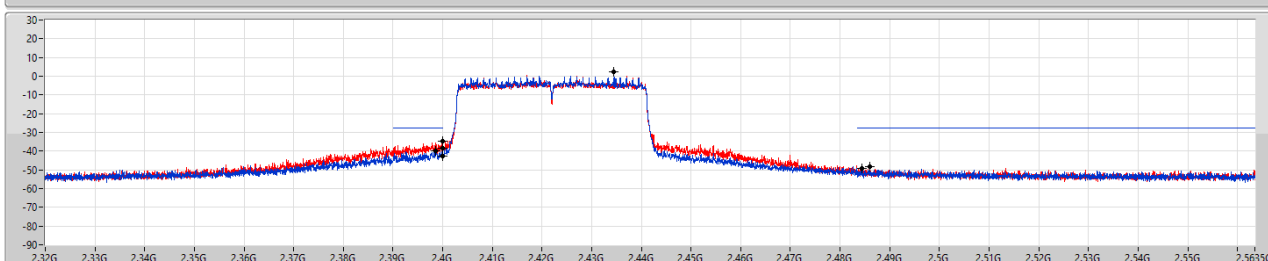
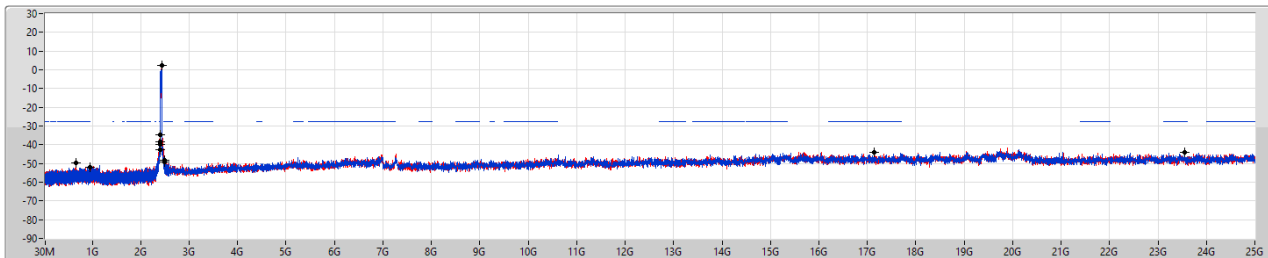
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.442G	9.25	-20.75	528.33M	-52.25	2.4G	-49.89	2.4835G	-41.75	2.48446G	-40.60	24.51676G	-43.99	1
2.442G	9.25	-20.75	1.87449G	-50.85	2.3998G	-50.57	2.4835G	-47.09	2.48356G	-38.06	14.90524G	-43.73	2

802.11ax HEW40-BF_Nss1,(MCS0)_2TX

2422MHz

CSENdB

15/04/2022



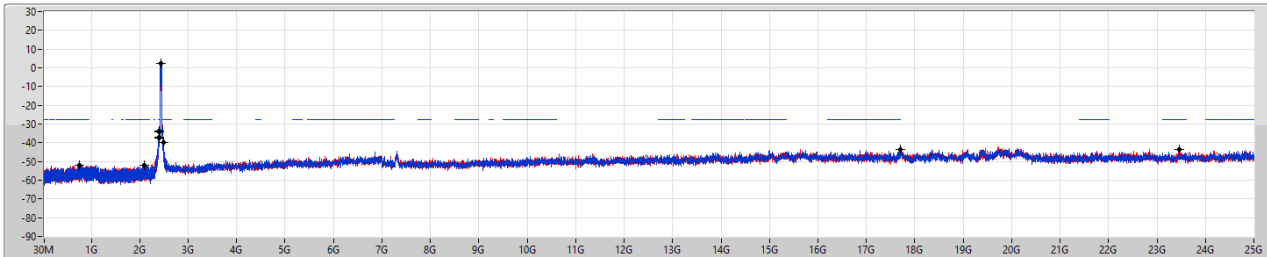
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43449G	2.44	-27.56	959.17M	-52.19	2.39856G	-39.92	2.4G	-42.76	2.48446G	-49.15	17.14442G	-44.09	1
2.43449G	2.44	-27.56	671.77M	-49.66	2.39992G	-34.88	2.4G	-38.52	2.48598G	-48.45	23.55004G	-44.15	2

802.11ax HEW40-BF_Nss1,(MCS0)_2TX

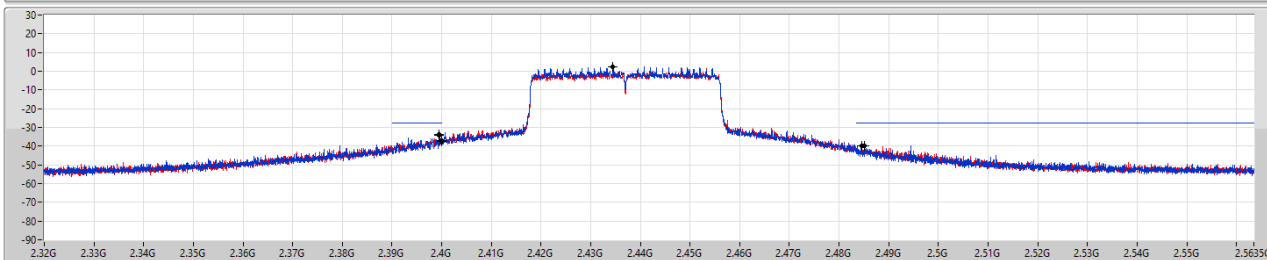
CSENdB

2437MHz

15/04/2022



Port 1
Port 2



RBW (Hz)
100k
VBW (Hz)
300k
Detector
Peak

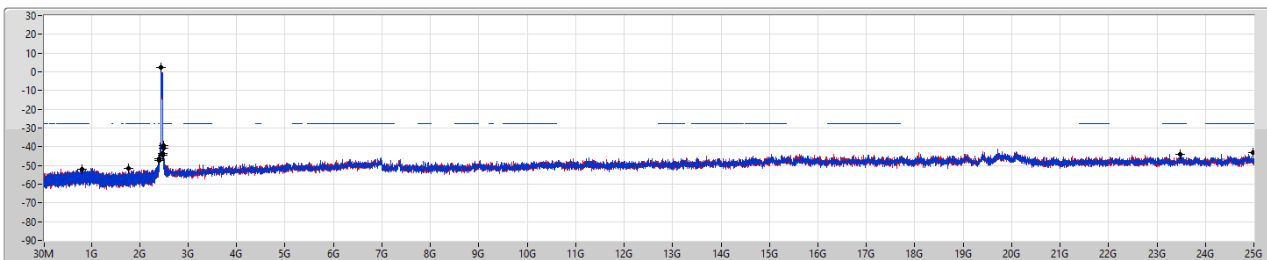
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43449G	2.44	-27.56	749.06M	-52.17	2.39952G	-33.79	2.4G	-37.14	2.48514G	-39.90	17.69411G	-43.76	1
2.43449G	2.44	-27.56	2.09472G	-52.21	2.39952G	-34.04	2.4G	-37.41	2.48454G	-39.67	23.46871G	-43.77	2

802.11ax HEW40-BF_Nss1,(MCS0)_2TX

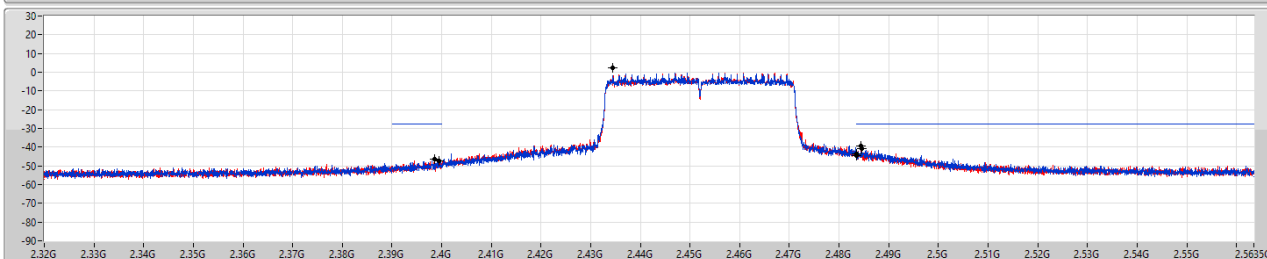
CSENdB

2452MHz

15/04/2022



Port 1
Port 2



RBW (Hz)
100k
VBW (Hz)
300k
Detector
Peak

Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43449G	2.44	-27.56	1.77126G	-51.70	2.39864G	-46.51	2.4835G	-44.54	2.48454G	-40.87	24.98037G	-43.30	1
2.43449G	2.44	-27.56	809.17M	-52.05	2.39952G	-47.20	2.4835G	-43.50	2.48446G	-39.60	23.47712G	-43.97	2



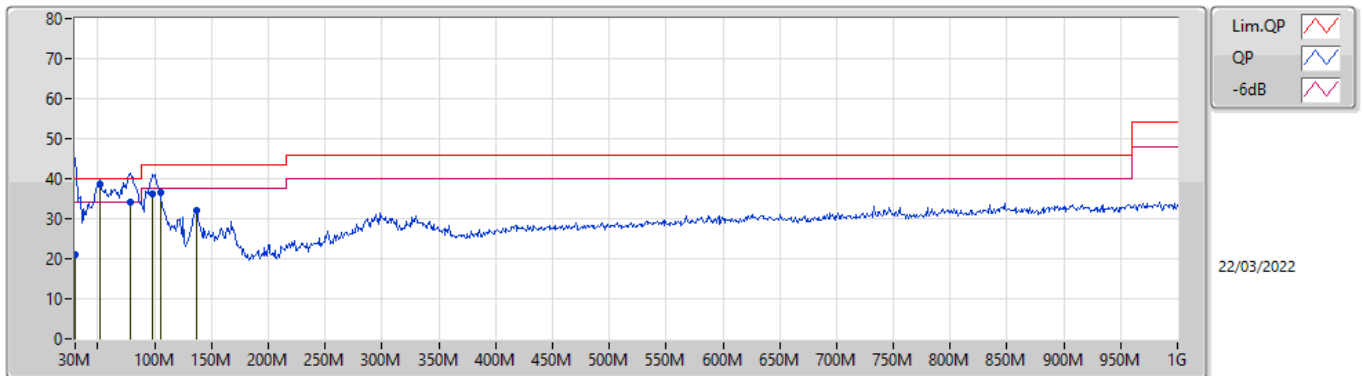
Radiated Emissions below 1GHz

Appendix F.1

Summary

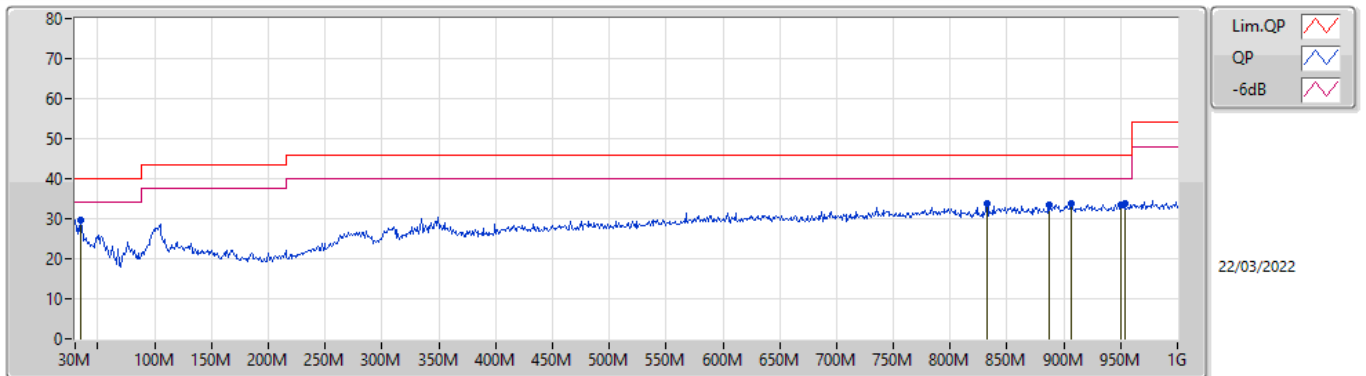
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Condition
Mode 1	Pass	QP	51.34M	38.76	40.00	-1.24	Vertical
Mode 4	Pass	PK	80.44M	34.77	40.00	-5.23	Vertical

Mode 1



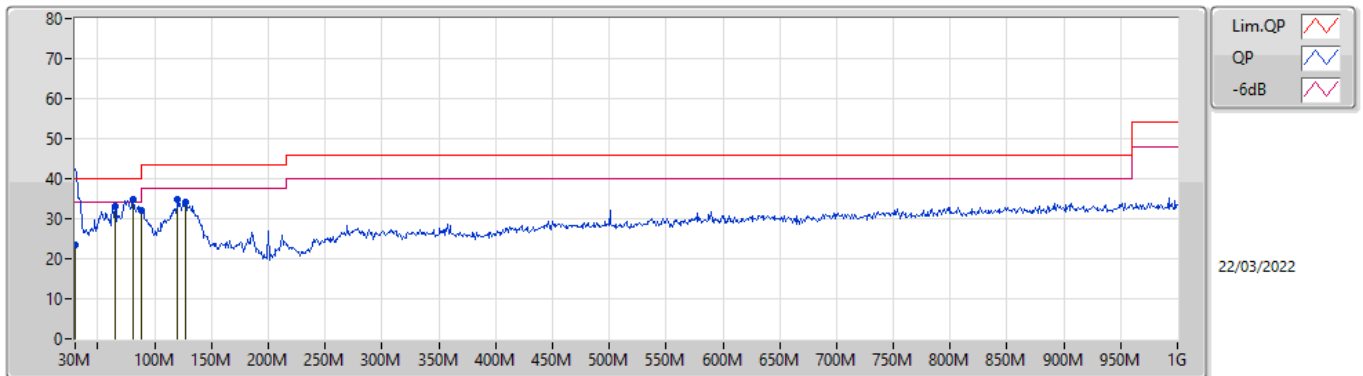
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB/m)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV/m)	AF (dB/m)	CL (dB)	PA (dB)
QP	30M	21.09	40.00	-18.91	-7.13	3	Vertical	26	2.00	-	28.22	23.55	1.50	32.18
QP	51.34M	38.76	40.00	-1.24	-17.33	3	Vertical	244	1.25	"Worst"	56.09	13.28	1.60	32.21
QP	78.5M	34.21	40.00	-5.79	-17.69	3	Vertical	240	1.50	-	51.90	12.63	1.80	32.12
QP	97.9M	36.11	43.50	-7.39	-13.77	3	Vertical	158	1.00	-	49.88	16.43	1.86	32.06
PK	104.69M	36.45	43.50	-7.05	-12.62	3	Vertical	359	1.00	-	49.07	17.55	1.90	32.07
PK	136.7M	32.07	43.50	-11.43	-12.71	3	Vertical	182	1.00	-	44.78	17.51	1.98	32.20

Mode 1



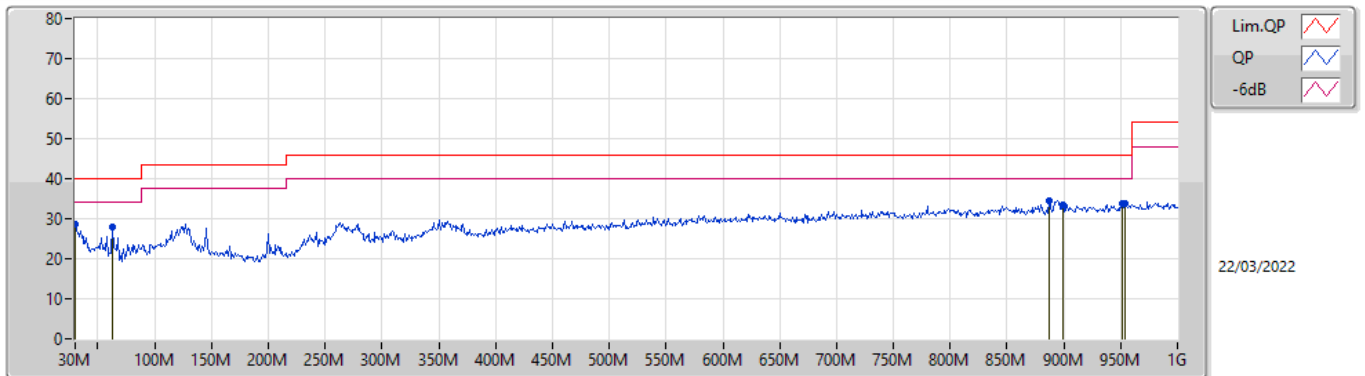
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB/m)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV/m)	AF (dB/m)	CL (dB)	PA (dB)
PK	34.85M	29.81	40.00	-10.19	-9.46	3	Horizontal	179	2.00	"Worst"	39.27	21.09	1.60	32.15
PK	832.19M	33.74	46.00	-12.26	-3.27	3	Horizontal	150	2.00	-	37.01	26.36	3.60	33.23
PK	886.51M	33.35	46.00	-12.65	-2.16	3	Horizontal	305	1.50	-	35.51	27.10	3.82	33.08
PK	906.88M	33.72	46.00	-12.28	-2.15	3	Horizontal	62	1.50	-	35.87	26.95	3.90	33.00
PK	950.53M	33.47	46.00	-12.53	-1.60	3	Horizontal	322	1.25	-	35.07	26.89	3.90	32.39
PK	953.44M	33.63	46.00	-12.37	-1.56	3	Horizontal	240	1.25	-	35.19	26.90	3.90	32.36

Mode 4



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB/m)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV/m)	AF (dB/m)	CL (dB)	PA (dB)
PK	30M	23.53	40.00	-16.47	-7.13	3	Vertical	360	2.00	-	30.66	23.55	1.50	32.18
PK	64.92M	33.03	40.00	-6.97	-18.06	3	Vertical	259	1.00	-	51.09	12.42	1.70	32.18
PK	80.44M	34.77	40.00	-5.23	-17.48	3	Vertical	315	1.00	"Worst"	52.25	12.84	1.80	32.12
PK	88M	32.05	43.50	-11.45	-16.06	3	Vertical	152	1.00	-	48.11	14.21	1.80	32.07
PK	120.21M	34.91	43.50	-8.59	-11.81	3	Vertical	360	1.00	-	46.72	18.44	1.90	32.15
PK	127M	34.27	43.50	-9.23	-12.04	3	Vertical	96	1.00	-	46.31	18.19	1.94	32.17

Mode 4



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB/m)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV/m)	AF (dB/m)	CL (dB)	PA (dB)
PK	30M	28.63	40.00	-11.37	-7.13	3	Horizontal	253	1.25	"Worst"	35.76	23.55	1.50	32.18
PK	62.98M	27.86	40.00	-12.14	-17.96	3	Horizontal	106	2.00	-	45.82	12.52	1.70	32.18
PK	887.48M	34.38	46.00	-11.62	-2.15	3	Horizontal	213	1.00	-	36.53	27.11	3.82	33.08
PK	899.12M	33.50	46.00	-12.50	-2.02	3	Horizontal	241	1.25	-	35.52	27.19	3.89	33.10
PK	951.5M	33.91	46.00	-12.09	-1.59	3	Horizontal	234	1.25	-	35.50	26.89	3.90	32.38
PK	954.41M	33.80	46.00	-12.20	-1.55	3	Horizontal	226	1.00	-	35.35	26.90	3.90	32.35

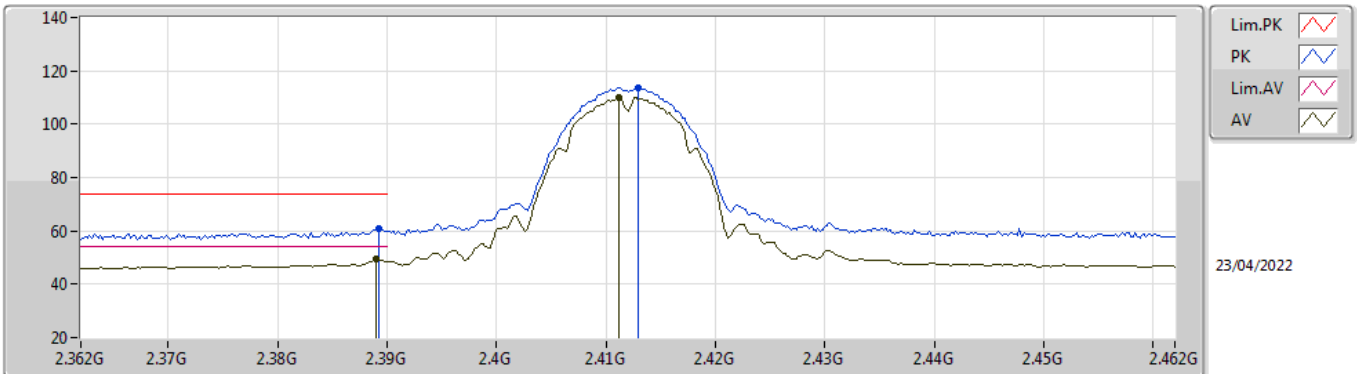


Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-
802.11b_Nss1,(1Mbps)_2TX	Pass	AV	7.38522G	53.99	54.00	-0.01	3	Vertical	179	2.63	-

802.11b_Nss1,(1Mbps)_2TX

2412MHz_TX

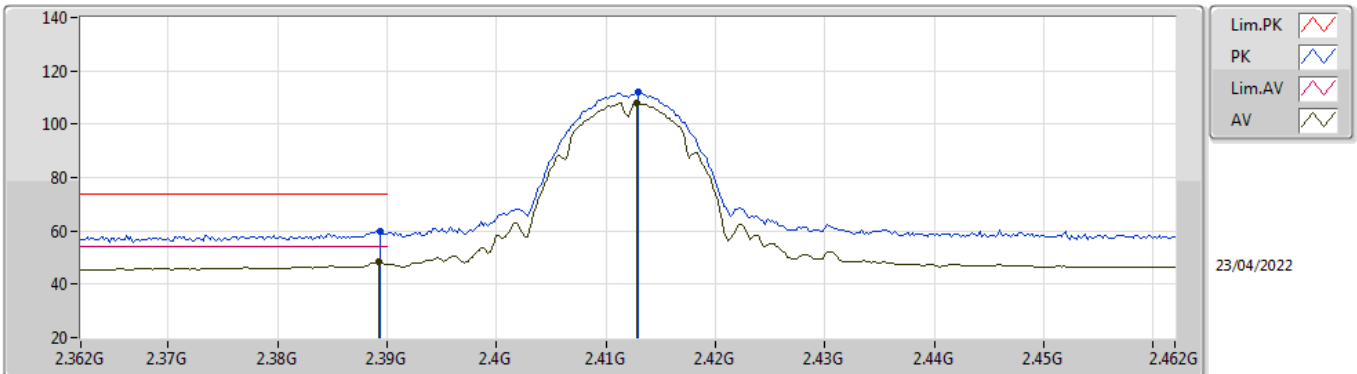


EUT V_2TX
Setting 70
03-C-K-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	2.3892G	61.01	74.00	-12.99	28.36	3	Vertical	157	1.10	-	28.26	4.39	-	
AV	2.389G	49.26	54.00	-4.74	16.61	3	Vertical	157	1.10	-	28.26	4.39	-	
PK	2.413G	113.78	Inf	-Inf	81.07	3	Vertical	157	1.10	-	28.30	4.41	-	
AV	2.4112G	109.92	Inf	-Inf	77.21	3	Vertical	157	1.10	-	28.30	4.41	-	

802.11b_Nss1,(1Mbps)_2TX

2412MHz_TX

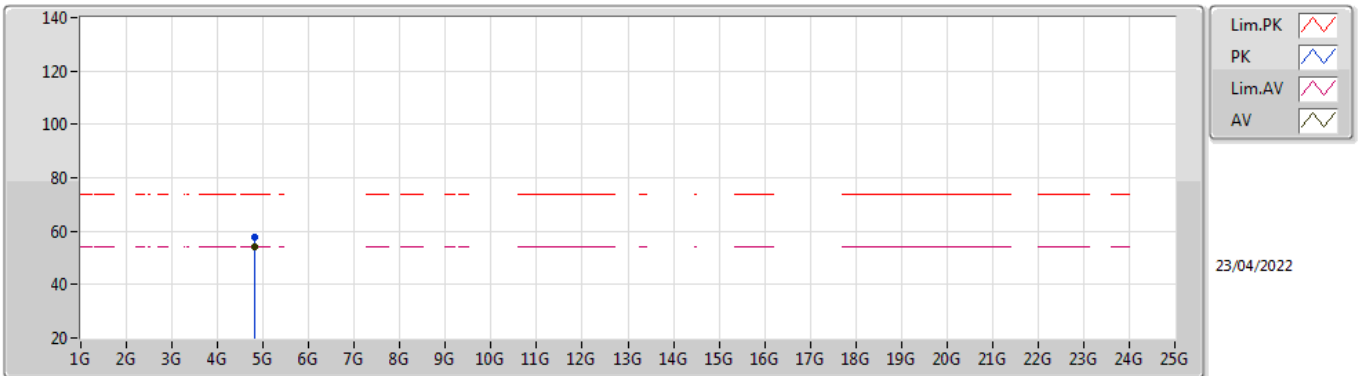


EUT V_2TX
Setting 70
03-C-K-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	2.3894G	60.06	74.00	-13.94	27.41	3	Horizontal	240	2.80	-	28.26	4.39	-	
AV	2.3892G	48.37	54.00	-5.63	15.72	3	Horizontal	240	2.80	-	28.26	4.39	-	
PK	2.413G	111.98	Inf	-Inf	79.27	3	Horizontal	240	2.80	-	28.30	4.41	-	
AV	2.4128G	107.96	Inf	-Inf	75.25	3	Horizontal	240	2.80	-	28.30	4.41	-	

802.11b_Nss1,(1Mbps)_2TX

2412MHz_TX

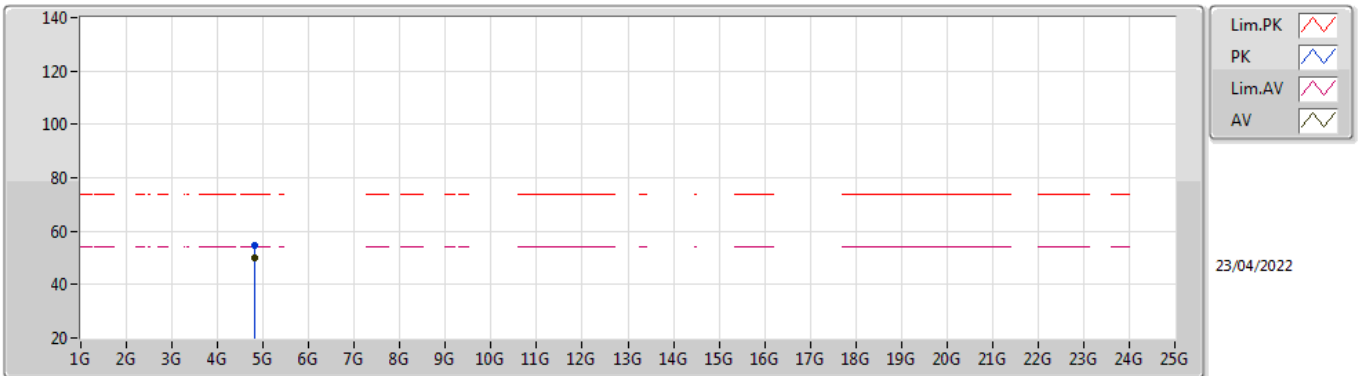


EUT V_2TX
Setting 70
03-C-K-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.82394G	57.52	74.00	-16.48	52.50	3	Vertical	296	2.59	-	33.34	7.10	35.42
AV	4.82396G	53.92	54.00	-0.08	48.90	3	Vertical	296	2.59	-	33.34	7.10	35.42

802.11b_Nss1,(1Mbps)_2TX

2412MHz_TX

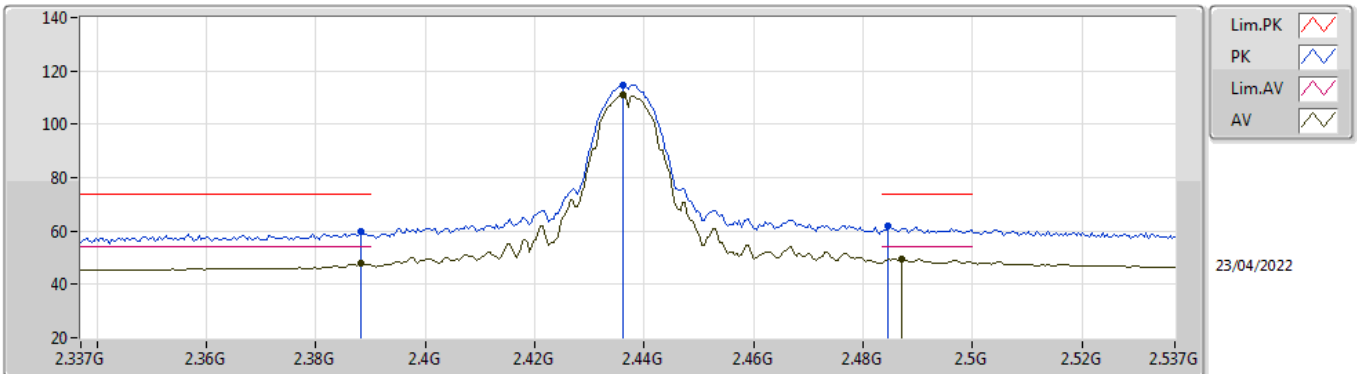


EUT V_2TX
Setting 70
03-C-K-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	4.82394G	54.53	74.00	-19.47	49.51	3	Horizontal	282	1.09	-	33.34	7.10	35.42	
AV	4.82396G	49.81	54.00	-4.19	44.79	3	Horizontal	282	1.09	-	33.34	7.10	35.42	

802.11b_Nss1,(1Mbps)_2TX

2437MHz_TX

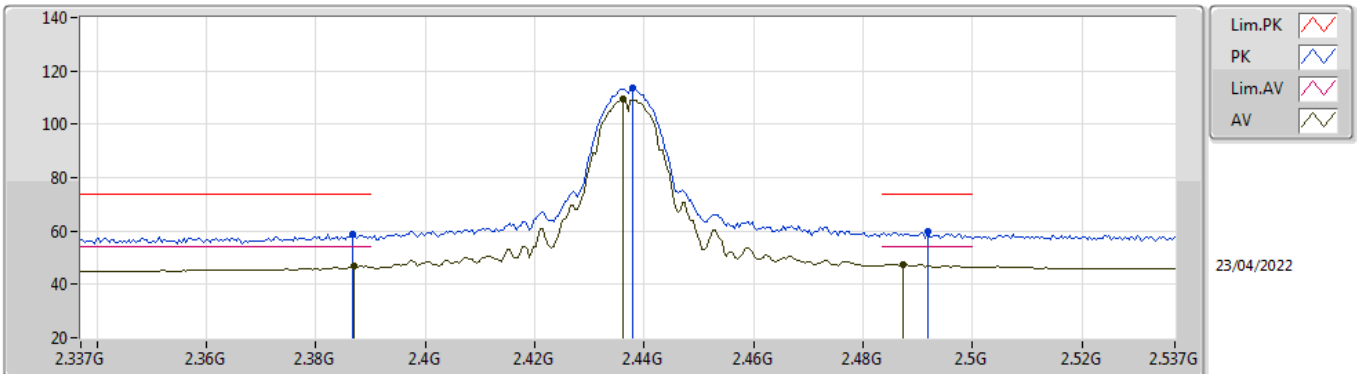


EUT_V_2TX
Setting 77
03-C-K-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	2.3882G	59.59	74.00	-14.41	26.95	3	Vertical	163	1.09	-	28.25	4.39	-	
AV	2.3882G	47.68	54.00	-6.32	15.04	3	Vertical	163	1.09	-	28.25	4.39	-	
PK	2.4362G	114.87	Inf	-Inf	82.15	3	Vertical	163	1.09	-	28.30	4.42	-	
AV	2.4362G	111.05	Inf	-Inf	78.33	3	Vertical	163	1.09	-	28.30	4.42	-	
PK	2.4846G	61.86	74.00	-12.14	28.98	3	Vertical	163	1.09	-	28.44	4.44	-	
AV	2.487G	49.65	54.00	-4.35	16.76	3	Vertical	163	1.09	-	28.45	4.44	-	

802.11b_Nss1,(1Mbps)_2TX

2437MHz_TX

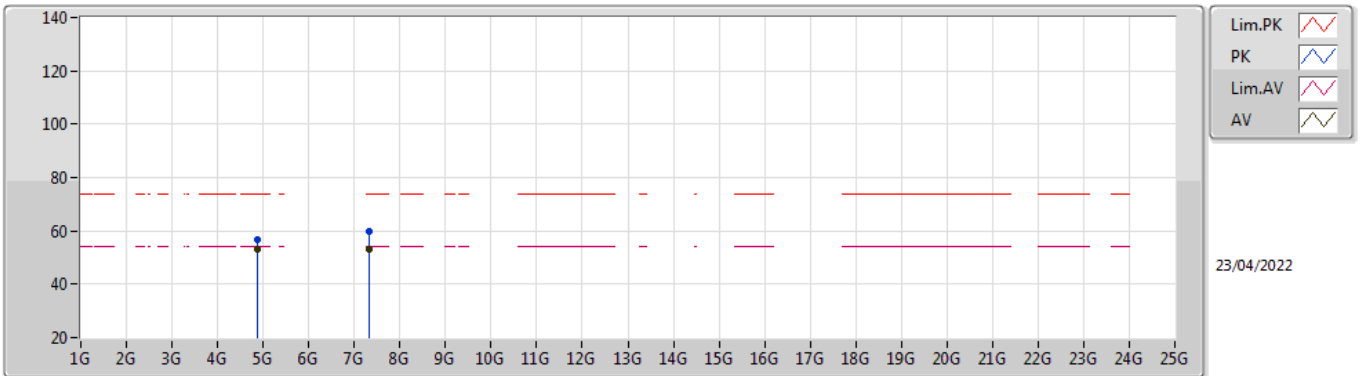


EUT_V_2TX
Setting 77
03-C-K-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3866G	58.81	74.00	-15.19	26.17	3	Horizontal	239	2.78	-	28.25	4.39	-
AV	2.387G	46.75	54.00	-7.25	14.11	3	Horizontal	239	2.78	-	28.25	4.39	-
PK	2.4378G	113.44	Inf	-Inf	80.72	3	Horizontal	239	2.78	-	28.30	4.42	-
AV	2.4362G	109.45	Inf	-Inf	76.73	3	Horizontal	239	2.78	-	28.30	4.42	-
PK	2.4918G	59.62	74.00	-14.38	26.70	3	Horizontal	239	2.78	-	28.47	4.45	-
AV	2.4874G	47.62	54.00	-6.38	14.73	3	Horizontal	239	2.78	-	28.45	4.44	-

802.11b_Nss1,(1Mbps)_2TX

2437MHz_TX

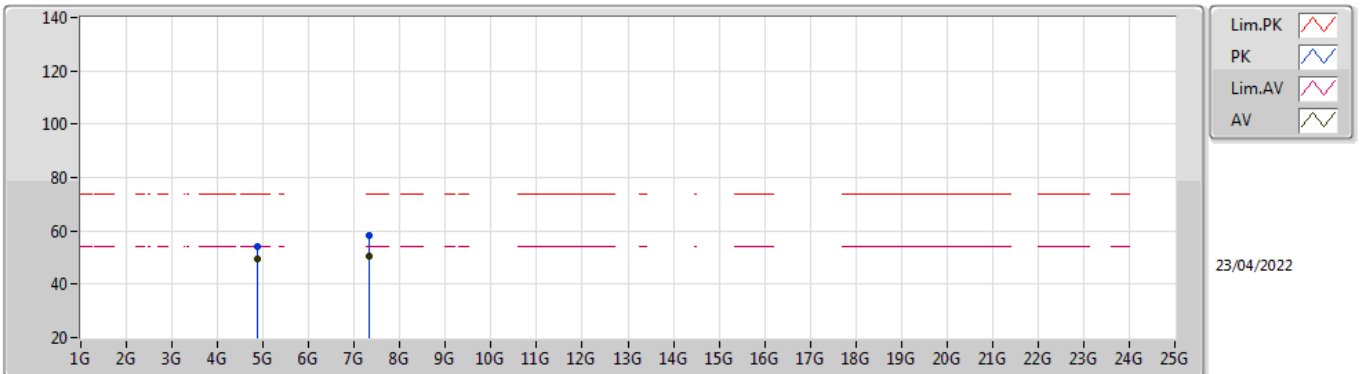


EUT Y_2TX
Setting 77
03-C-K-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	4.87394G	56.91	74.00	-17.09	51.61	3	Vertical	292	2.84	-	33.60	7.10	35.40	
AV	4.87396G	52.94	54.00	-1.06	47.64	3	Vertical	292	2.84	-	33.60	7.10	35.40	
PK	7.31194G	59.79	74.00	-14.21	50.02	3	Vertical	168	2.60	-	36.92	8.42	35.57	
AV	7.31172G	53.05	54.00	-0.95	43.28	3	Vertical	168	2.60	-	36.92	8.42	35.57	

802.11b_Nss1,(1Mbps)_2TX

2437MHz_TX

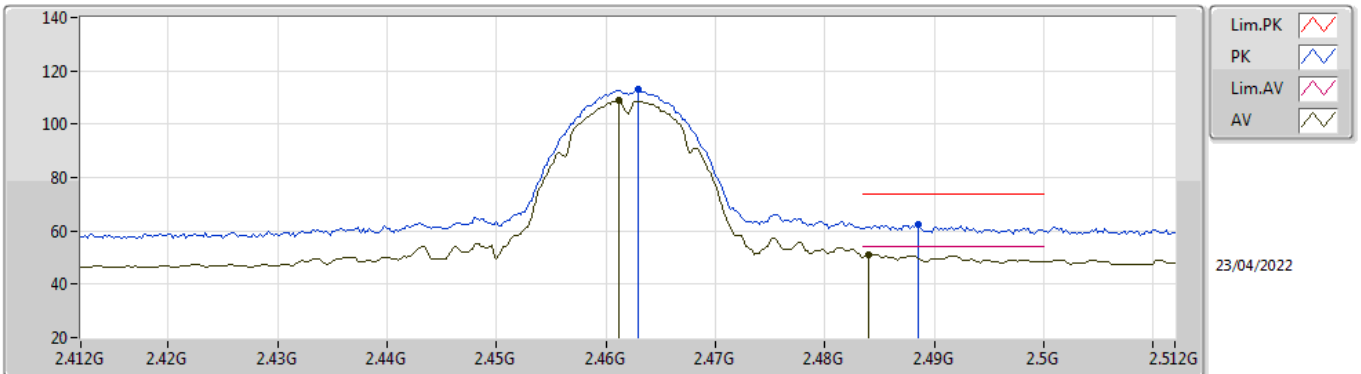


EUT Y_2TX
Setting 77
03-C-K-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	4.874G	54.35	74.00	-19.65	49.05	3	Horizontal	285	2.04	-	33.60	7.10	35.40	
AV	4.87396G	49.27	54.00	-4.73	43.97	3	Horizontal	285	2.04	-	33.60	7.10	35.40	
PK	7.31184G	58.33	74.00	-15.67	48.56	3	Horizontal	202	1.95	-	36.92	8.42	35.57	
AV	7.3117G	50.53	54.00	-3.47	40.76	3	Horizontal	202	1.95	-	36.92	8.42	35.57	

802.11b_Nss1,(1Mbps)_2TX

2462MHz_TX

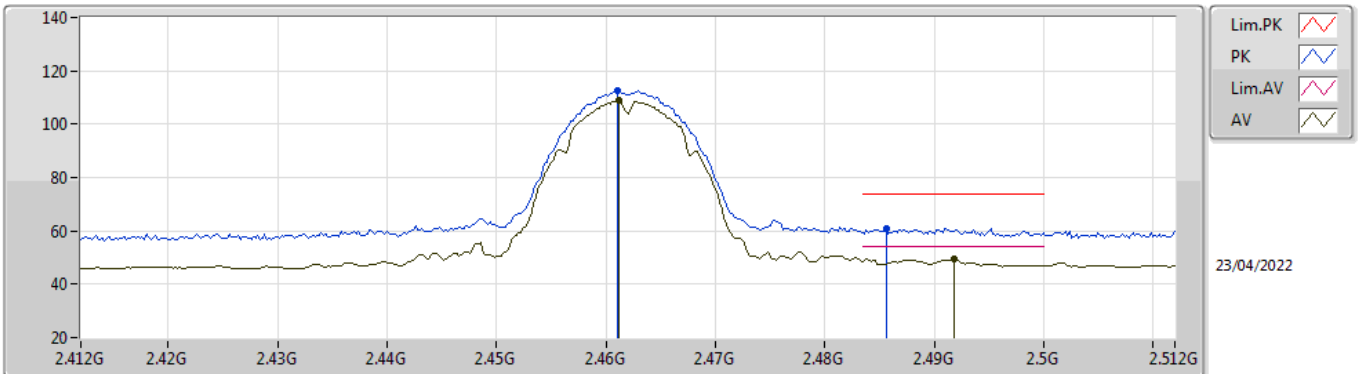


EUT V_2TX
Setting 81
03-C-K-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	2.463G	112.85	Inf	-Inf	80.07	3	Vertical	169	1.53	-	28.35	4.43	-	
AV	2.4612G	108.83	Inf	-Inf	76.06	3	Vertical	169	1.53	-	28.34	4.43	-	
PK	2.4886G	62.54	74.00	-11.46	29.65	3	Vertical	169	1.53	-	28.45	4.44	-	
AV	2.484G	51.06	54.00	-2.94	18.18	3	Vertical	169	1.53	-	28.44	4.44	-	

802.11b_Nss1,(1Mbps)_2TX

2462MHz_TX

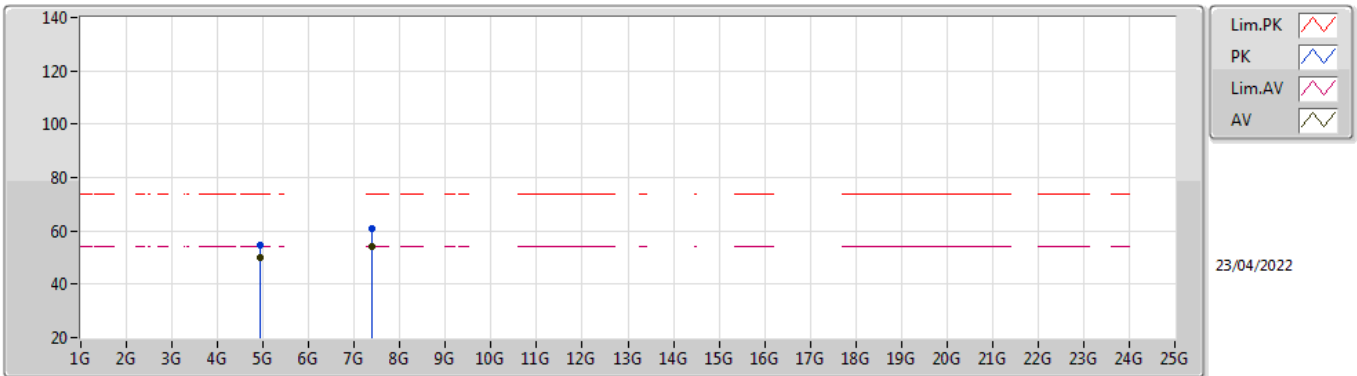


EUT V_2TX
Setting 81
03-C-K-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	2.461G	112.47	Inf	-Inf	79.70	3	Horizontal	120	1.15	-	28.34	4.43	-	
AV	2.4612G	108.73	Inf	-Inf	75.96	3	Horizontal	120	1.15	-	28.34	4.43	-	
PK	2.4856G	60.87	74.00	-13.13	27.99	3	Horizontal	120	1.15	-	28.44	4.44	-	
AV	2.4918G	49.44	54.00	-4.56	16.52	3	Horizontal	120	1.15	-	28.47	4.45	-	

802.11b_Nss1,(1Mbps)_2TX

2462MHz_TX

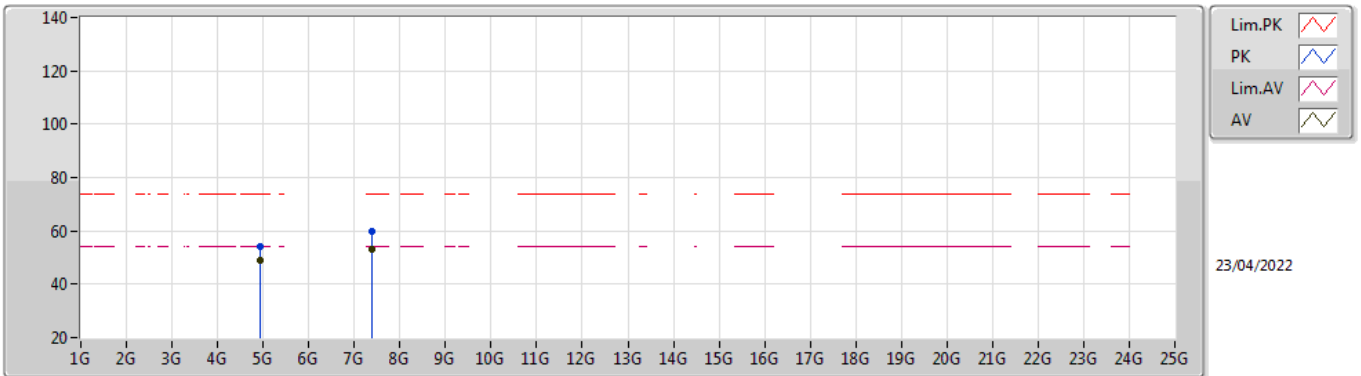


EUT Y_2TX
Setting 81
03-C-K-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	4.924G	54.76	74.00	-19.24	49.28	3	Vertical	244	1.98	-	33.75	7.10	35.37	
AV	4.92397G	50.00	54.00	-4.00	44.52	3	Vertical	244	1.98	-	33.75	7.10	35.37	
PK	7.385G	60.90	74.00	-13.10	50.92	3	Vertical	179	2.63	-	37.00	8.57	35.59	
AV	7.38522G	53.99	54.00	-0.01	44.01	3	Vertical	179	2.63	-	37.00	8.57	35.59	

802.11b_Nss1,(1Mbps)_2TX

2462MHz_TX

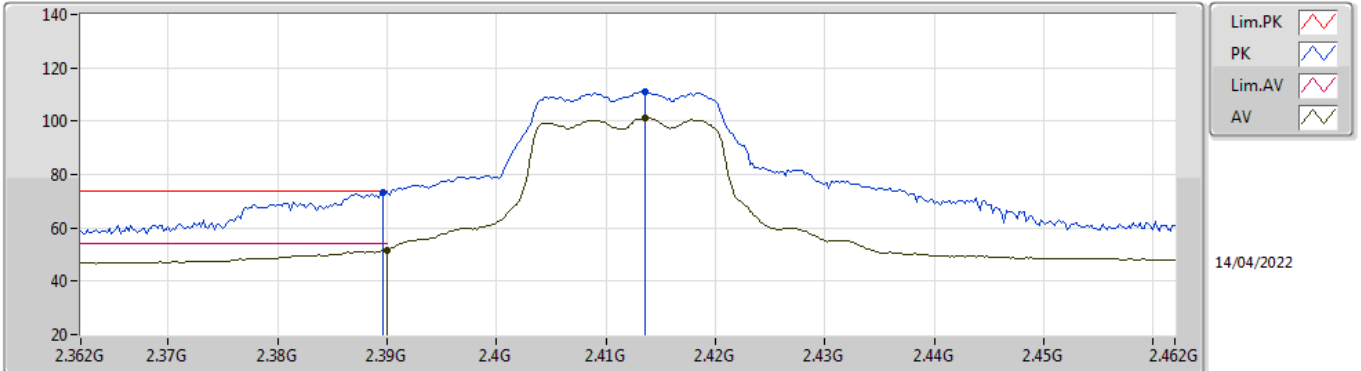


EUT V_2TX
Setting 81
03-C-K-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	4.92387G	53.89	74.00	-20.11	48.41	3	Horizontal	281	2.09	-	33.75	7.10	35.37	
AV	4.92397G	48.80	54.00	-5.20	43.32	3	Horizontal	281	2.09	-	33.75	7.10	35.37	
PK	7.38492G	60.02	74.00	-13.98	50.04	3	Horizontal	56	1.78	-	37.00	8.57	35.59	
AV	7.38524G	53.26	54.00	-0.74	43.28	3	Horizontal	56	1.78	-	37.00	8.57	35.59	

802.11g_Nss1,(6Mbps)_2TX

2412MHz_TX

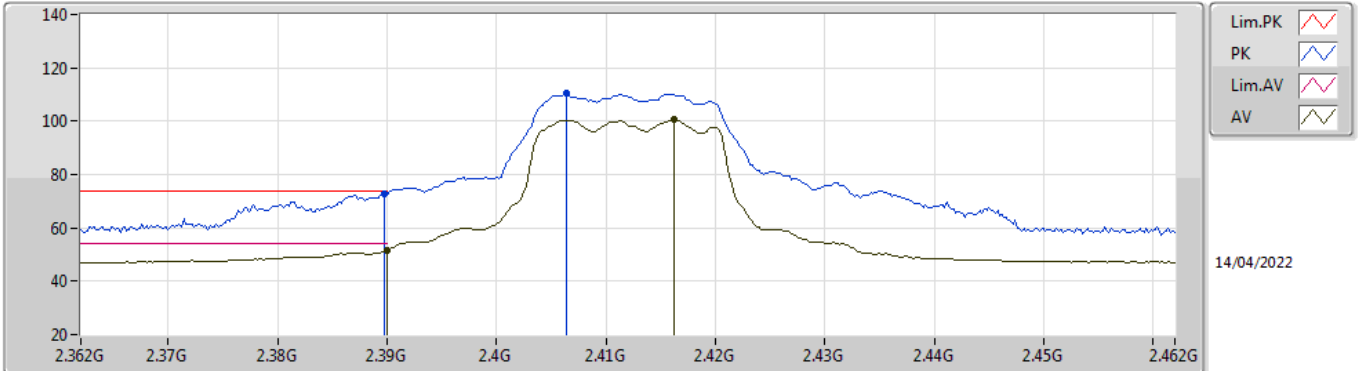


EUT V_2TX
Setting 69
02-B-R-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3896G	73.44	74.00	-0.56	43.03	3	Vertical	89	1.81	-	27.62	2.79	-
AV	2.39G	51.72	54.00	-2.28	21.31	3	Vertical	89	1.81	-	27.62	2.79	-
PK	2.4136G	111.15	Inf	-Inf	80.77	3	Vertical	89	1.81	-	27.57	2.81	-
AV	2.4136G	101.06	Inf	-Inf	70.68	3	Vertical	89	1.81	-	27.57	2.81	-

802.11g_Nss1,(6Mbps)_2TX

2412MHz_TX

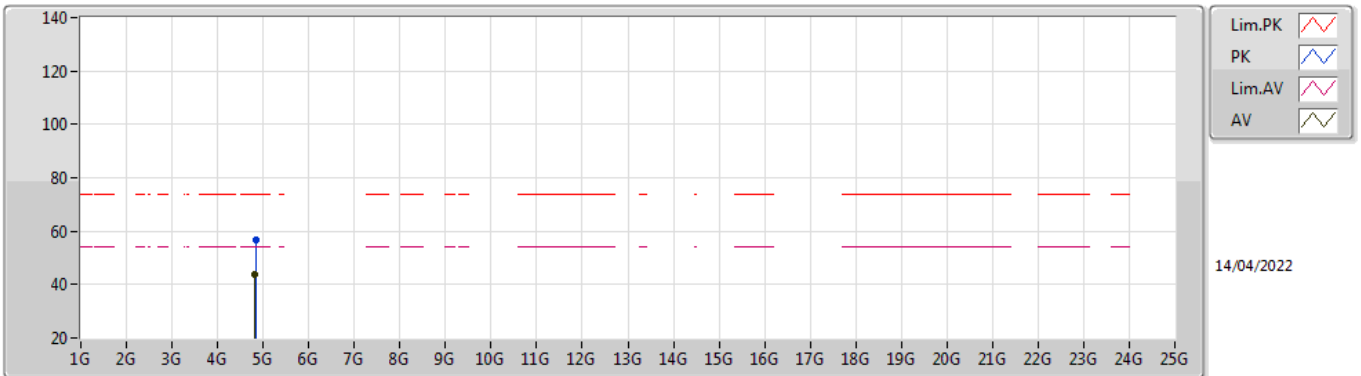


EUT V_2TX
Setting 69
02-B-R-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	2.3898G	72.58	74.00	-1.42	42.17	3	Horizontal	33	2.60	-	27.62	2.79	-	
AV	2.39G	51.49	54.00	-2.51	21.08	3	Horizontal	33	2.60	-	27.62	2.79	-	
PK	2.4064G	110.38	Inf	-Inf	79.98	3	Horizontal	33	2.60	-	27.59	2.81	-	
AV	2.4162G	100.67	Inf	-Inf	70.28	3	Horizontal	33	2.60	-	27.57	2.82	-	

802.11g_Nss1,(6Mbps)_2TX

2412MHz_TX

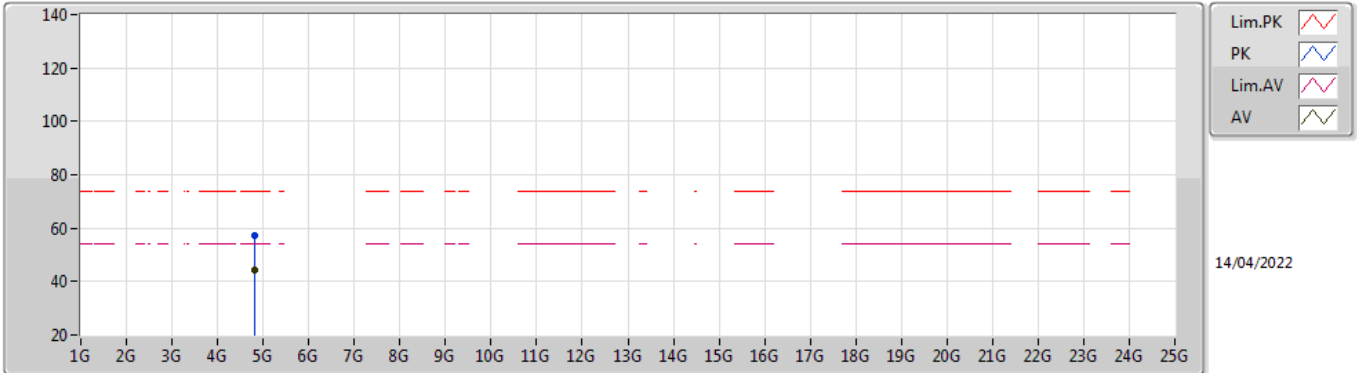


EUT V_2TX
Setting 69
02-B-R-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.82874G	56.70	74.00	-17.30	52.48	3	Vertical	334	2.08	-	31.34	5.10	32.22
AV	4.82382G	43.56	54.00	-10.44	39.33	3	Vertical	334	2.08	-	31.35	5.10	32.22

802.11g_Nss1,(6Mbps)_2TX

2412MHz_TX

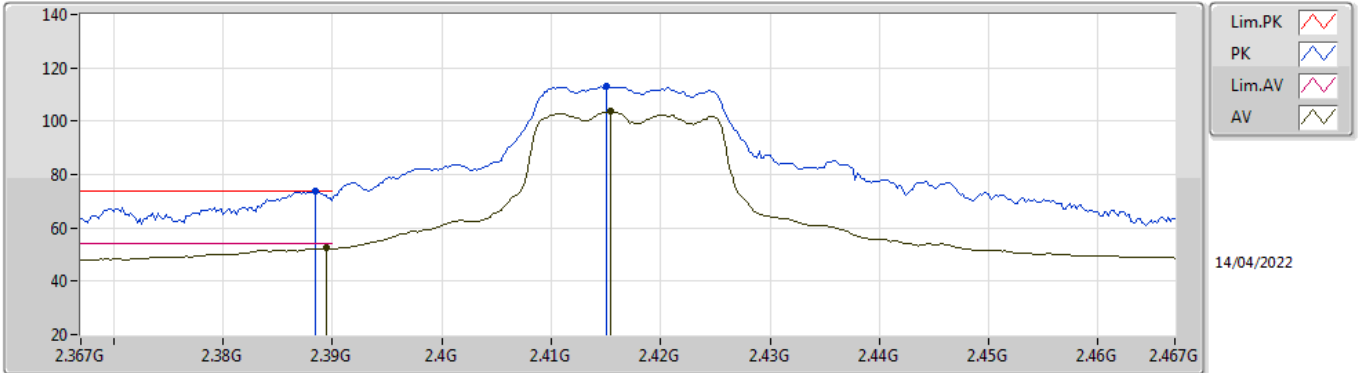


EUT V_2TX
Setting 69
02-B-R-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	4.82334G	57.42	74.00	-16.58	53.19	3	Horizontal	334	2.17	-	31.35	5.10	32.22	
AV	4.8231G	44.07	54.00	-9.93	39.84	3	Horizontal	334	2.17	-	31.35	5.10	32.22	

802.11g_Nss1,(6Mbps)_2TX

2417MHz_TX

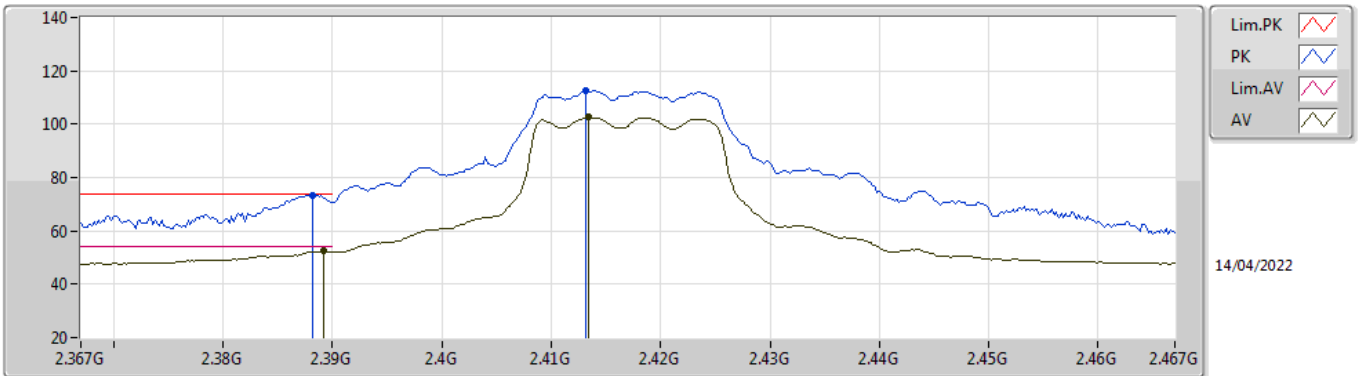


EUT V_2TX
Setting 77
02-B-R-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3884G	73.82	74.00	-0.18	43.41	3	Vertical	83	1.53	-	27.62	2.79	-
AV	2.3894G	52.38	54.00	-1.62	21.97	3	Vertical	83	1.53	-	27.62	2.79	-
PK	2.415G	113.20	Inf	-Inf	82.82	3	Vertical	83	1.53	-	27.57	2.81	-
AV	2.4154G	103.61	Inf	-Inf	73.22	3	Vertical	83	1.53	-	27.57	2.82	-

802.11g_Nss1,(6Mbps)_2TX

2417MHz_TX

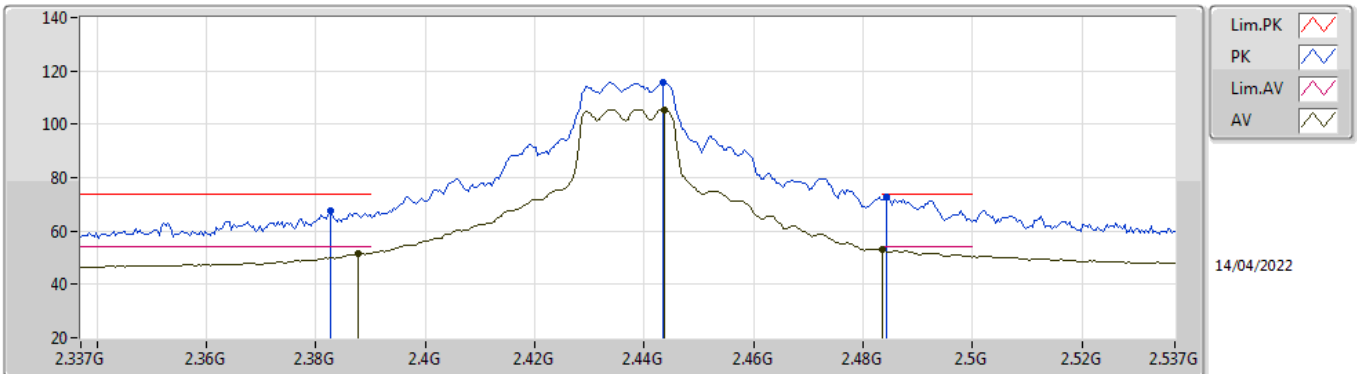


EUT V_2TX
Setting 77
02-B-R-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	2.3882G	73.53	74.00	-0.47	43.12	3	Horizontal	36	2.58	-	27.62	2.79	-	
AV	2.3892G	52.34	54.00	-1.66	21.93	3	Horizontal	36	2.58	-	27.62	2.79	-	
PK	2.4132G	112.42	Inf	-Inf	82.04	3	Horizontal	36	2.58	-	27.57	2.81	-	
AV	2.4134G	102.57	Inf	-Inf	72.19	3	Horizontal	36	2.58	-	27.57	2.81	-	

802.11g_Nss1,(6Mbps)_2TX

2437MHz_TX

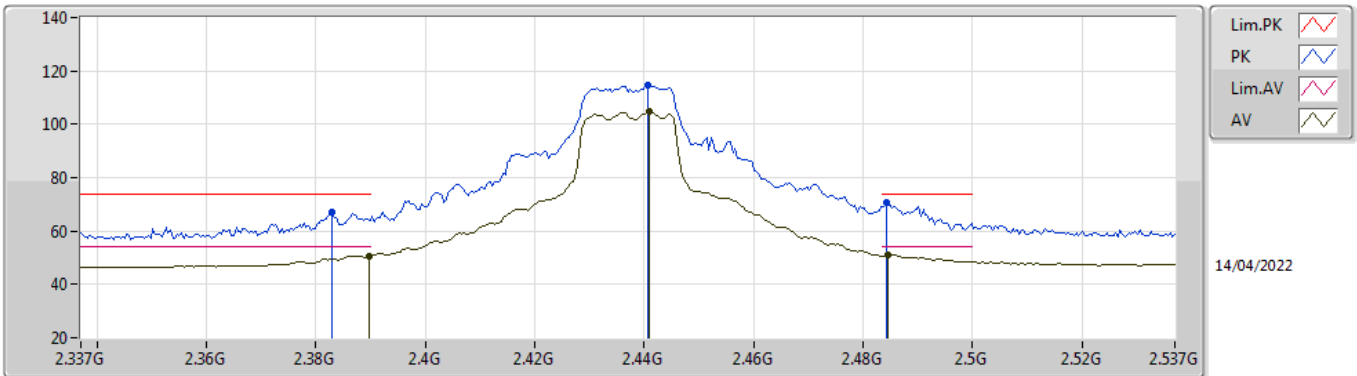


EUT_V_2TX
Setting 87
02-B-R-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3826G	67.36	74.00	-6.64	36.94	3	Vertical	94	2.08	-	27.63	2.79	-
AV	2.3878G	51.60	54.00	-2.40	21.19	3	Vertical	94	2.08	-	27.62	2.79	-
PK	2.4434G	115.63	Inf	-Inf	85.28	3	Vertical	94	2.08	-	27.51	2.84	-
AV	2.4438G	105.60	Inf	-Inf	75.25	3	Vertical	94	2.08	-	27.51	2.84	-
PK	2.4842G	72.78	74.00	-1.22	42.40	3	Vertical	94	2.08	-	27.50	2.88	-
AV	2.4835G	52.88	54.00	-1.12	22.50	3	Vertical	94	2.08	-	27.50	2.88	-

802.11g_Nss1,(6Mbps)_2TX

2437MHz_TX

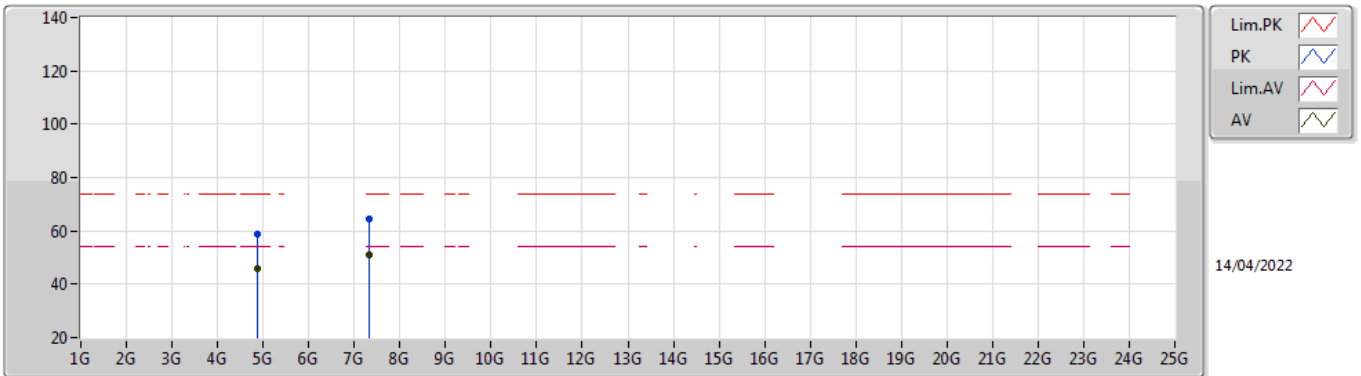


EUT_V_2TX
Setting 87
02-B-R-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.383G	67.02	74.00	-6.98	36.60	3	Horizontal	39	2.80	-	27.63	2.79	-
AV	2.3898G	50.49	54.00	-3.51	20.08	3	Horizontal	39	2.80	-	27.62	2.79	-
PK	2.4406G	114.85	Inf	-Inf	84.49	3	Horizontal	39	2.80	-	27.52	2.84	-
AV	2.441G	104.83	Inf	-Inf	74.47	3	Horizontal	39	2.80	-	27.52	2.84	-
PK	2.4842G	70.81	74.00	-3.19	40.43	3	Horizontal	39	2.80	-	27.50	2.88	-
AV	2.4846G	51.07	54.00	-2.93	20.69	3	Horizontal	39	2.80	-	27.50	2.88	-

802.11g_Nss1,(6Mbps)_2TX

2437MHz_TX

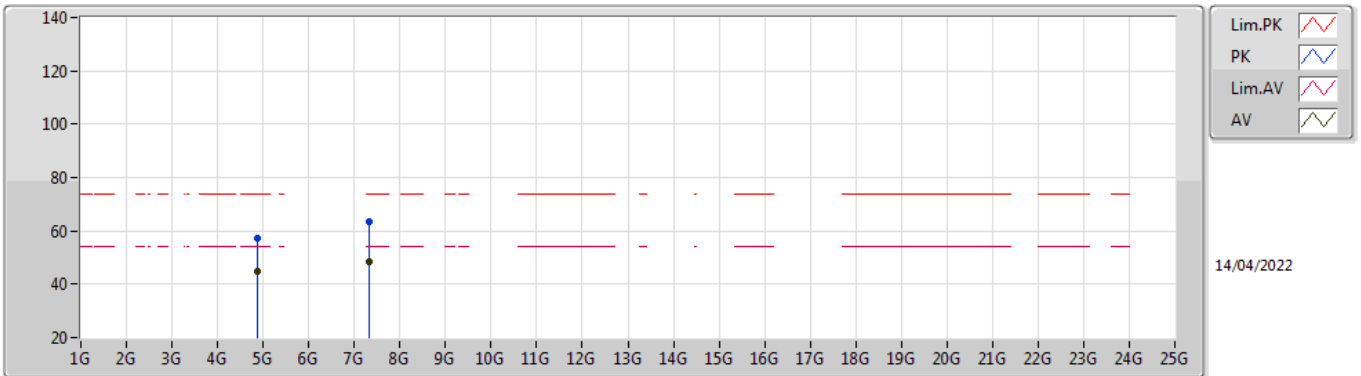


EUT Y_2TX
Setting 87
02-B-R-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.87328G	58.56	74.00	-15.44	54.37	3	Vertical	331	2.28	-	31.30	5.10	32.21
AV	4.87324G	45.84	54.00	-8.16	41.65	3	Vertical	331	2.28	-	31.30	5.10	32.21
PK	7.31872G	64.74	74.00	-9.26	54.94	3	Vertical	81	1.82	-	36.47	6.16	32.83
AV	7.3132G	51.05	54.00	-2.95	41.26	3	Vertical	81	1.82	-	36.45	6.16	32.82

802.11g_Nss1,(6Mbps)_2TX

2437MHz_TX

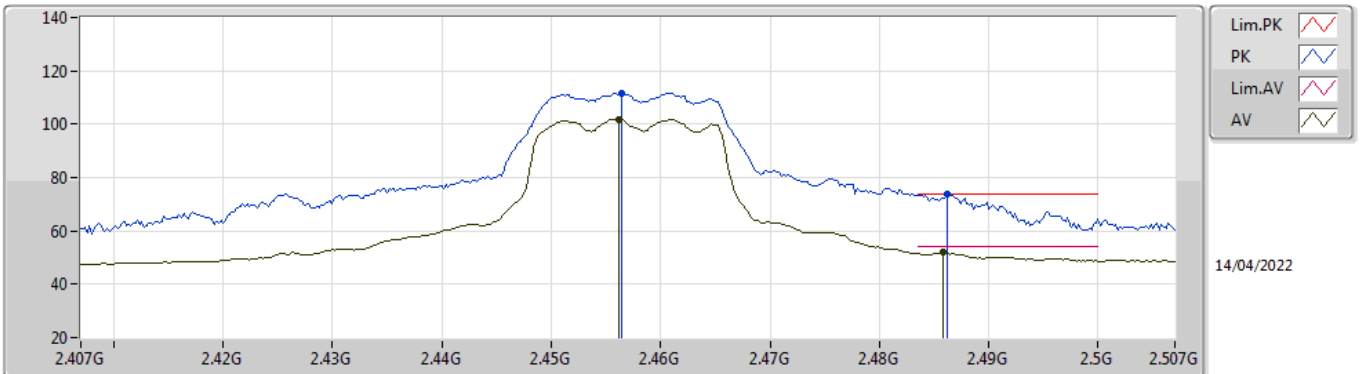


EUT Y_2TX
Setting 87
02-B-R-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	4.87898G	57.38	74.00	-16.62	53.18	3	Horizontal	332	2.38	-	31.30	5.10	32.20	
AV	4.8731G	44.82	54.00	-9.18	40.63	3	Horizontal	332	2.38	-	31.30	5.10	32.21	
PK	7.31256G	63.45	74.00	-10.55	53.66	3	Horizontal	14	1.80	-	36.45	6.16	32.82	
AV	7.3122G	48.44	54.00	-5.56	38.65	3	Horizontal	14	1.80	-	36.45	6.16	32.82	

802.11g_Nss1,(6Mbps)_2TX

2457MHz_TX

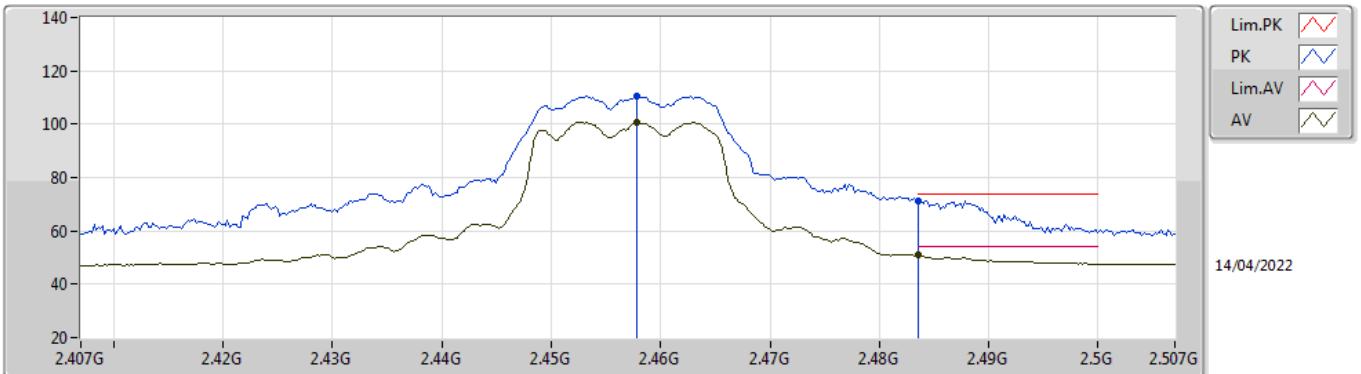


EUT_V_2TX
Setting 70
02-B-R-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	2.4564G	111.73	Inf	-Inf	81.37	3	Vertical	91	1.80	-	27.50	2.86	-	
AV	2.4562G	101.92	Inf	-Inf	71.56	3	Vertical	91	1.80	-	27.50	2.86	-	
PK	2.4862G	73.70	74.00	-0.30	43.31	3	Vertical	91	1.80	-	27.50	2.89	-	
AV	2.4858G	51.94	54.00	-2.06	21.55	3	Vertical	91	1.80	-	27.50	2.89	-	

802.11g_Nss1,(6Mbps)_2TX

2457MHz_TX

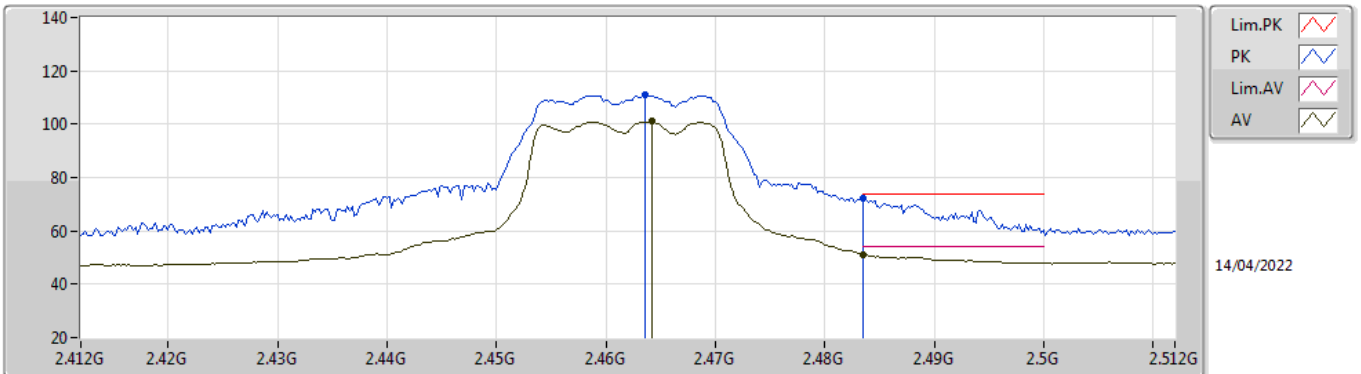


EUT V_2TX
Setting 70
02-B-R-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	2.4578G	110.42	Inf	-Inf	80.06	3	Horizontal	46	2.48	-	27.50	2.86	-	
AV	2.4578G	100.66	Inf	-Inf	70.30	3	Horizontal	46	2.48	-	27.50	2.86	-	
PK	2.4835G	71.22	74.00	-2.78	40.84	3	Horizontal	46	2.48	-	27.50	2.88	-	
AV	2.4835G	51.06	54.00	-2.94	20.68	3	Horizontal	46	2.48	-	27.50	2.88	-	

802.11g_Nss1,(6Mbps)_2TX

2462MHz_TX

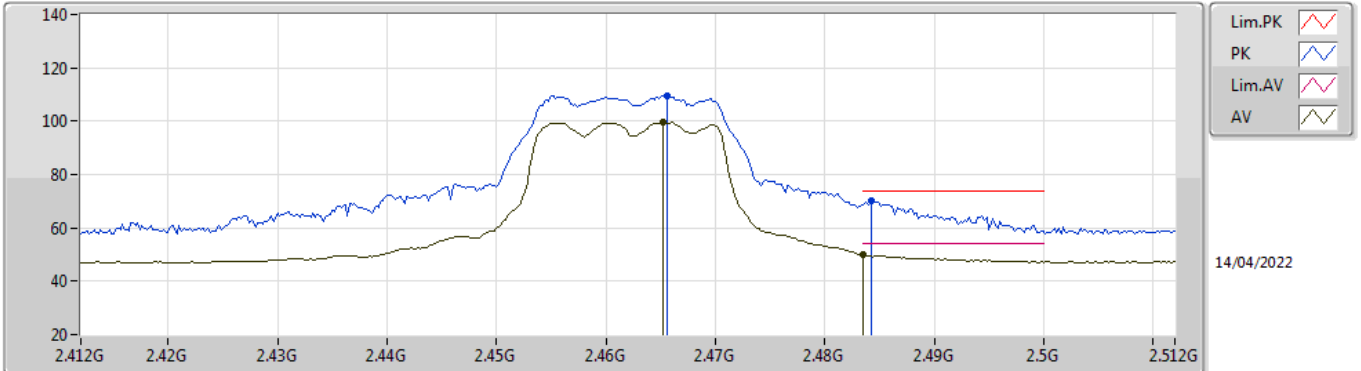


EUT V_2TX
Setting 67
02-B-R-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	2.4636G	110.95	Inf	-Inf	80.59	3	Vertical	93	2.28	-	27.50	2.86	-	
AV	2.4642G	101.02	Inf	-Inf	70.66	3	Vertical	93	2.28	-	27.50	2.86	-	
PK	2.4835G	72.45	74.00	-1.55	42.07	3	Vertical	93	2.28	-	27.50	2.88	-	
AV	2.4835G	51.16	54.00	-2.84	20.78	3	Vertical	93	2.28	-	27.50	2.88	-	

802.11g_Nss1,(6Mbps)_2TX

2462MHz_TX

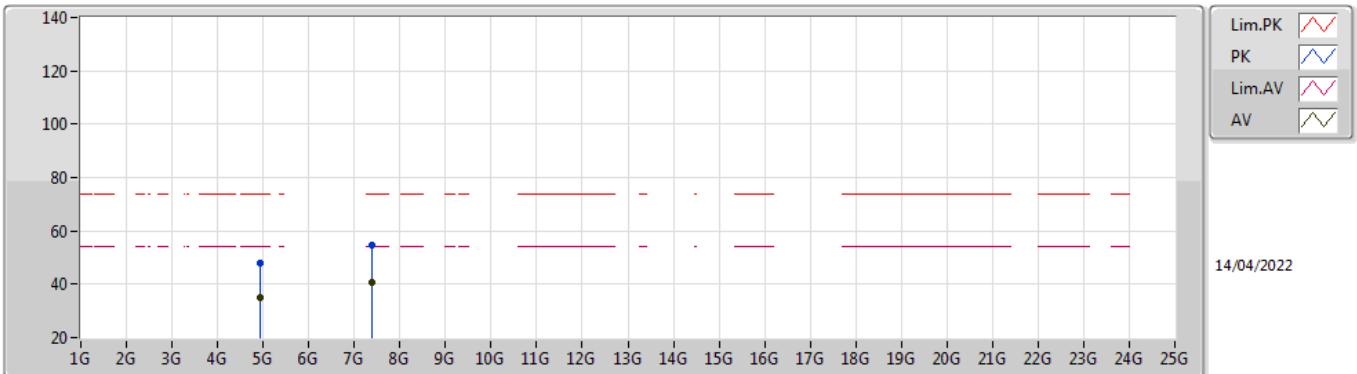


EUT V_2TX
Setting 67
02-B-R-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	2.4656G	109.67	Inf	-Inf	79.30	3	Horizontal	46	2.49	-	27.50	2.87	-	
AV	2.4652G	99.40	Inf	-Inf	69.03	3	Horizontal	46	2.49	-	27.50	2.87	-	
PK	2.4842G	70.01	74.00	-3.99	39.63	3	Horizontal	46	2.49	-	27.50	2.88	-	
AV	2.4835G	49.79	54.00	-4.21	19.41	3	Horizontal	46	2.49	-	27.50	2.88	-	

802.11g_Nss1,(6Mbps)_2TX

2462MHz_TX

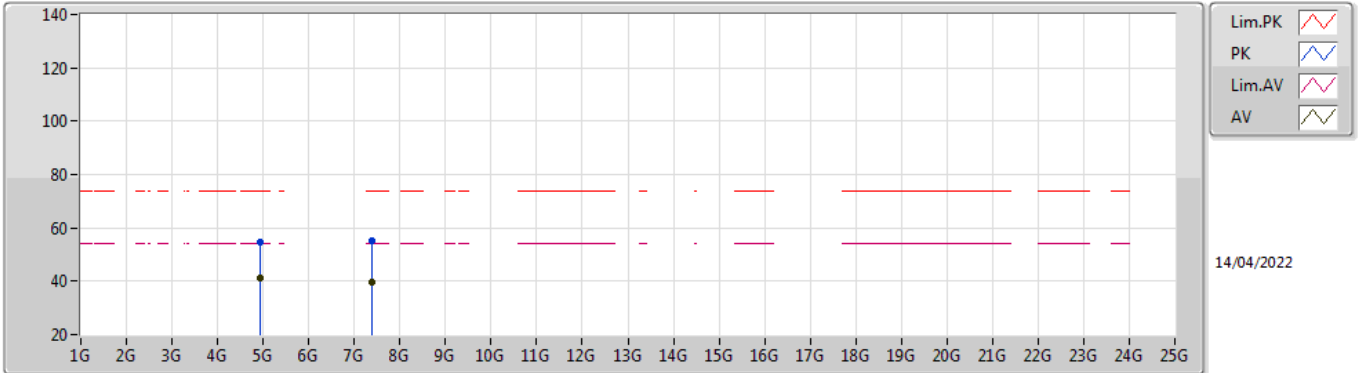


EUT V_2TX
Setting 67
02-B-R-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	4.9234G	48.16	74.00	-25.84	43.86	3	Vertical	155	1.49	-	31.39	5.10	32.19	
AV	4.92424G	35.06	54.00	-18.94	30.75	3	Vertical	155	1.49	-	31.40	5.10	32.19	
PK	7.3749G	54.67	74.00	-19.33	44.91	3	Vertical	89	1.80	-	36.50	6.19	32.93	
AV	7.38408G	40.53	54.00	-13.47	30.83	3	Vertical	89	1.80	-	36.46	6.19	32.95	

802.11g_Nss1,(6Mbps)_2TX

2462MHz_TX

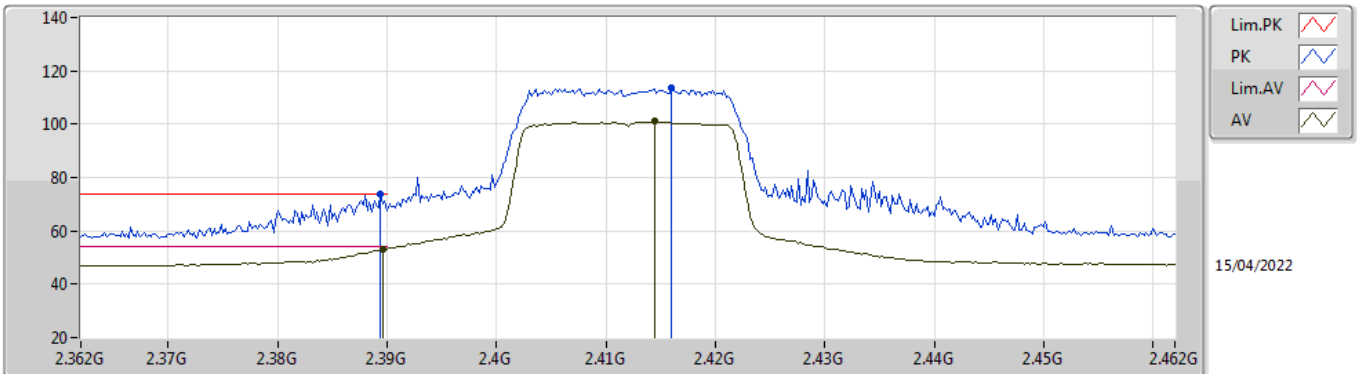


EUT Y_2TX
Setting 67
02-B-R-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.92328G	54.50	74.00	-19.50	50.20	3	Horizontal	329	2.08	-	31.39	5.10	32.19
AV	4.9231G	41.10	54.00	-12.90	36.80	3	Horizontal	329	2.08	-	31.39	5.10	32.19
PK	7.3875G	55.26	74.00	-18.74	45.57	3	Horizontal	51	1.80	-	36.45	6.19	32.95
AV	7.38696G	39.60	54.00	-14.40	29.91	3	Horizontal	51	1.80	-	36.45	6.19	32.95

802.11ax HEW20-BF_Nss1,(MCS0)_2TX

2412MHz_TX

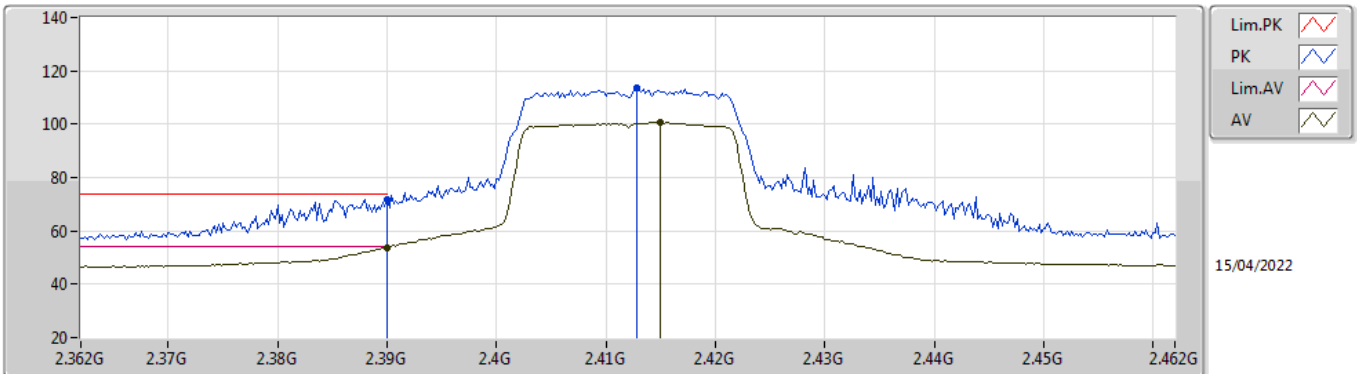


EUT V_2TX
Setting 64
02-B-R-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	2.3894G	73.69	74.00	-0.31	43.28	3	Vertical	39	1.07	-	27.62	2.79	-	
AV	2.3896G	53.23	54.00	-0.77	22.82	3	Vertical	39	1.07	-	27.62	2.79	-	
PK	2.416G	113.56	Inf	-Inf	83.17	3	Vertical	39	1.07	-	27.57	2.82	-	
AV	2.4144G	100.95	Inf	-Inf	70.57	3	Vertical	39	1.07	-	27.57	2.81	-	

802.11ax HEW20-BF_Nss1,(MCS0)_2TX

2412MHz_TX

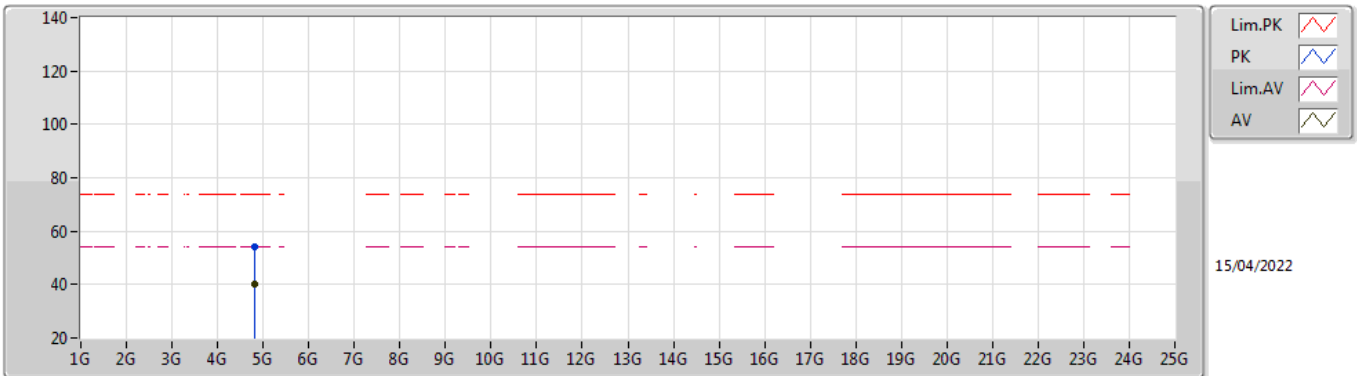


EUT V_2TX
Setting 64
02-B-R-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.39G	71.54	74.00	-2.46	41.13	3	Horizontal	140	2.87	-	27.62	2.79	-
AV	2.39G	53.85	54.00	-0.15	23.44	3	Horizontal	140	2.87	-	27.62	2.79	-
PK	2.4128G	113.76	Inf	-Inf	83.38	3	Horizontal	140	2.87	-	27.57	2.81	-
AV	2.415G	100.70	Inf	-Inf	70.32	3	Horizontal	140	2.87	-	27.57	2.81	-

802.11ax HEW20-BF_Nss1,(MCS0)_2TX

2412MHz_TX

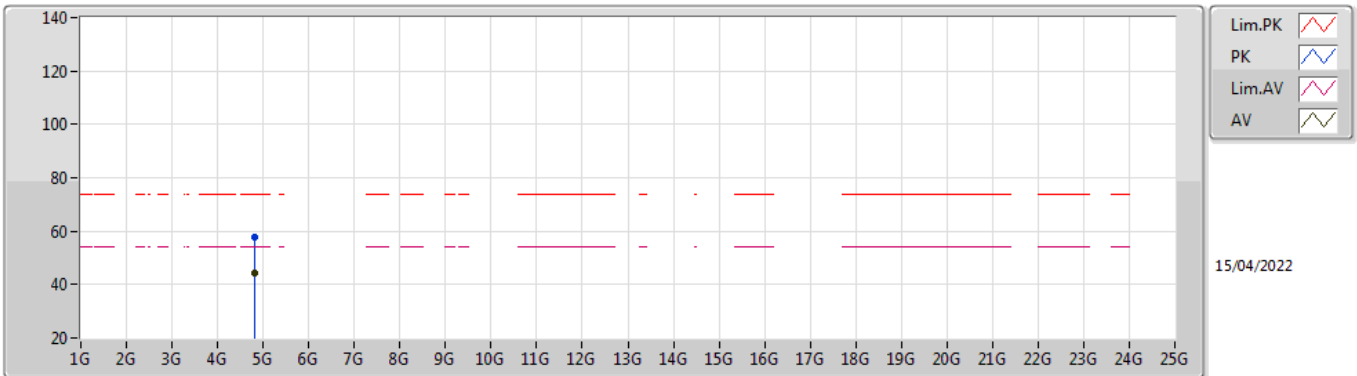


EUT V_2TX
Setting 64
02-B-R-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.81688G	54.13	74.00	-19.87	49.89	3	Vertical	328	1.22	-	31.37	5.10	32.23
AV	4.82408G	40.22	54.00	-13.78	35.99	3	Vertical	328	1.22	-	31.35	5.10	32.22

802.11ax HEW20-BF_Nss1,(MCS0)_2TX

2412MHz_TX

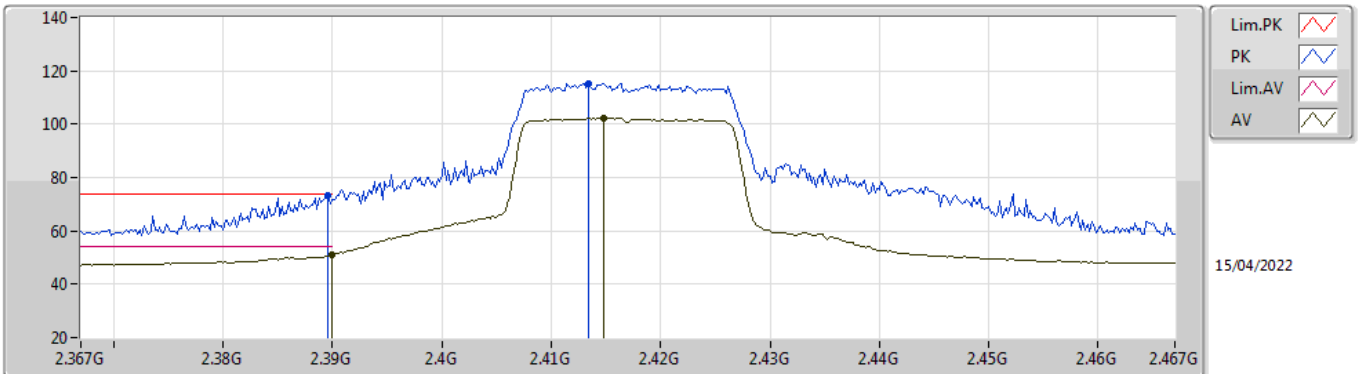


EUT Y_2TX
Setting 64
02-B-R-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.8262G	57.82	74.00	-16.18	53.59	3	Horizontal	332	2.18	-	31.35	5.10	32.22
AV	4.82408G	44.22	54.00	-9.78	39.99	3	Horizontal	332	2.18	-	31.35	5.10	32.22

802.11ax HEW20-BF_Nss1,(MCS0)_2TX

2417MHz_TX

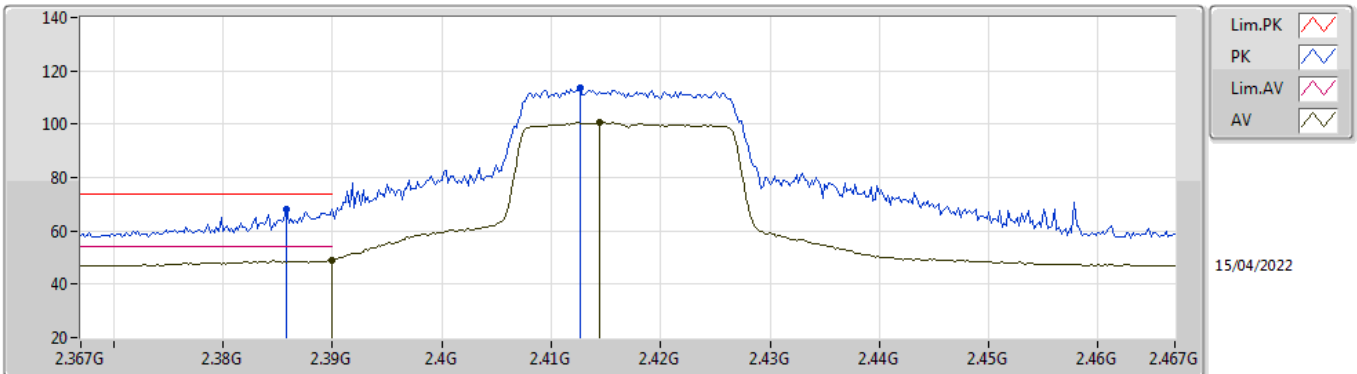


EUT V_2TX
Setting 70
02-B-R-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3896G	73.35	74.00	-0.65	42.94	3	Vertical	49	1.08	-	27.62	2.79	-
AV	2.39G	50.92	54.00	-3.08	20.51	3	Vertical	49	1.08	-	27.62	2.79	-
PK	2.4134G	115.40	Inf	-Inf	85.02	3	Vertical	49	1.08	-	27.57	2.81	-
AV	2.4148G	102.36	Inf	-Inf	71.98	3	Vertical	49	1.08	-	27.57	2.81	-

802.11ax HEW20-BF_Nss1,(MCS0)_2TX

2417MHz_TX

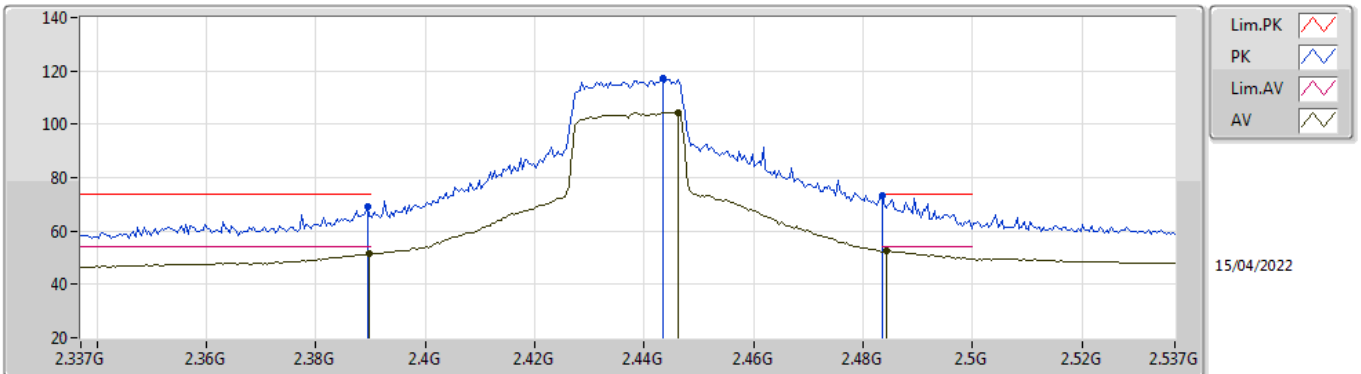


EUT V_2TX
Setting 70
02-B-R-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	2.3858G	68.09	74.00	-5.91	37.67	3	Horizontal	26	2.92	-	27.63	2.79	-	
AV	2.39G	49.14	54.00	-4.86	18.73	3	Horizontal	26	2.92	-	27.62	2.79	-	
PK	2.4126G	113.54	Inf	-Inf	83.16	3	Horizontal	26	2.92	-	27.57	2.81	-	
AV	2.4144G	100.66	Inf	-Inf	70.28	3	Horizontal	26	2.92	-	27.57	2.81	-	

802.11ax HEW20-BF_Nss1,(MCS0)_2TX

2437MHz_TX

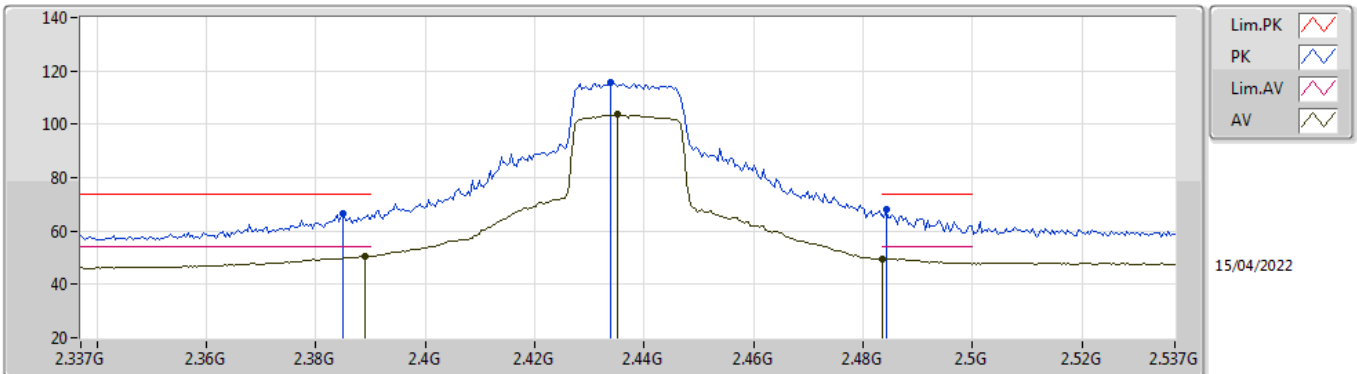


EUT_V_2TX
Setting 83
02-B-R-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3894G	68.90	74.00	-5.10	38.49	3	Vertical	66	1.03	-	27.62	2.79	-
AV	2.3898G	51.48	54.00	-2.52	21.07	3	Vertical	66	1.03	-	27.62	2.79	-
PK	2.4434G	117.09	Inf	-Inf	86.74	3	Vertical	66	1.03	-	27.51	2.84	-
AV	2.4462G	104.56	Inf	-Inf	74.20	3	Vertical	66	1.03	-	27.51	2.85	-
PK	2.4835G	73.46	74.00	-0.54	43.08	3	Vertical	66	1.03	-	27.50	2.88	-
AV	2.4842G	52.48	54.00	-1.52	22.10	3	Vertical	66	1.03	-	27.50	2.88	-

802.11ax HEW20-BF_Nss1,(MCS0)_2TX

2437MHz_TX

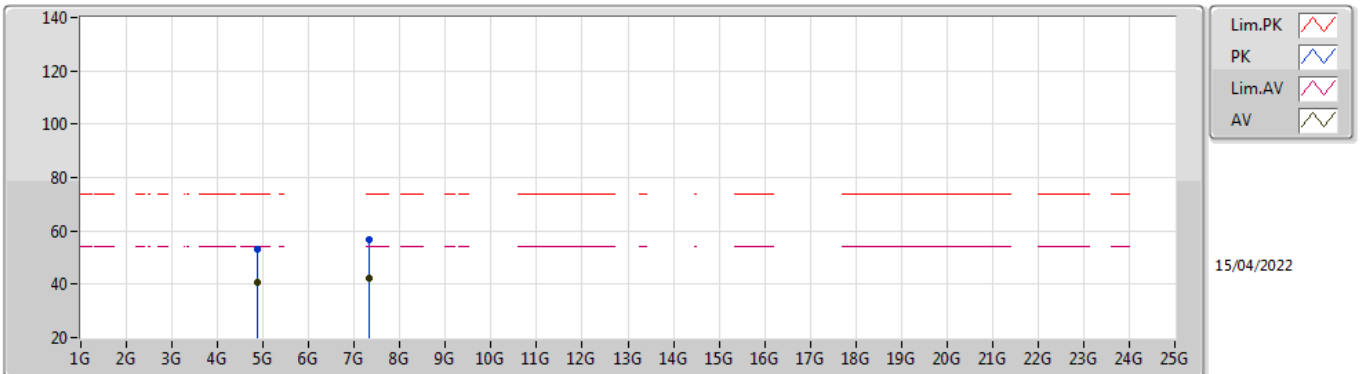


EUT V_2TX
Setting 83
02-B-R-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	2.385G	66.63	74.00	-7.37	36.21	3	Horizontal	32	2.60	-	27.63	2.79	-	
AV	2.389G	50.47	54.00	-3.53	20.06	3	Horizontal	32	2.60	-	27.62	2.79	-	
PK	2.4338G	115.89	Inf	-Inf	85.53	3	Horizontal	32	2.60	-	27.53	2.83	-	
AV	2.435G	103.56	Inf	-Inf	73.20	3	Horizontal	32	2.60	-	27.53	2.83	-	
PK	2.4842G	68.24	74.00	-5.76	37.86	3	Horizontal	32	2.60	-	27.50	2.88	-	
AV	2.4835G	49.59	54.00	-4.41	19.21	3	Horizontal	32	2.60	-	27.50	2.88	-	

802.11ax HEW20-BF_Nss1,(MCS0)_2TX

2437MHz_TX

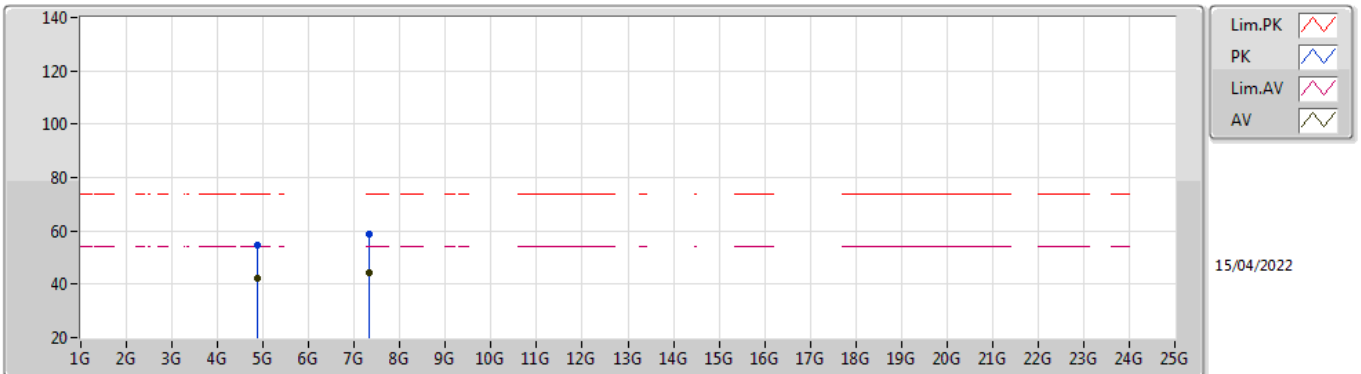


EUT Y_2TX
Setting 83
02-B-R-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	4.8689G	53.33	74.00	-20.67	49.14	3	Vertical	322	1.80	-	31.30	5.10	32.21	
AV	4.87424G	40.66	54.00	-13.34	36.47	3	Vertical	322	1.80	-	31.30	5.10	32.21	
PK	7.32222G	56.86	74.00	-17.14	47.05	3	Vertical	36	1.22	-	36.49	6.16	32.84	
AV	7.32048G	42.49	54.00	-11.51	32.69	3	Vertical	36	1.22	-	36.48	6.16	32.84	

802.11ax HEW20-BF_Nss1,(MCS0)_2TX

2437MHz_TX

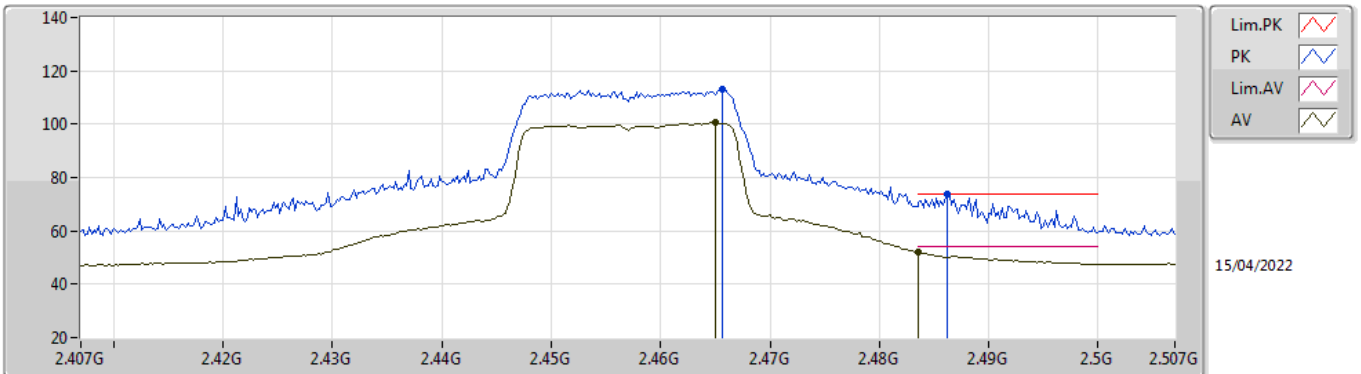


EUT V_2TX
Setting 83
02-B-R-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.87934G	54.63	74.00	-19.37	50.43	3	Horizontal	17	2.27	-	31.30	5.10	32.20
AV	4.87826G	42.36	54.00	-11.64	38.16	3	Horizontal	17	2.27	-	31.30	5.10	32.20
PK	7.31142G	58.55	74.00	-15.45	48.76	3	Horizontal	39	2.36	-	36.45	6.16	32.82
AV	7.31262G	44.52	54.00	-9.48	34.73	3	Horizontal	39	2.36	-	36.45	6.16	32.82

802.11ax HEW20-BF_Nss1,(MCS0)_2TX

2457MHz_TX

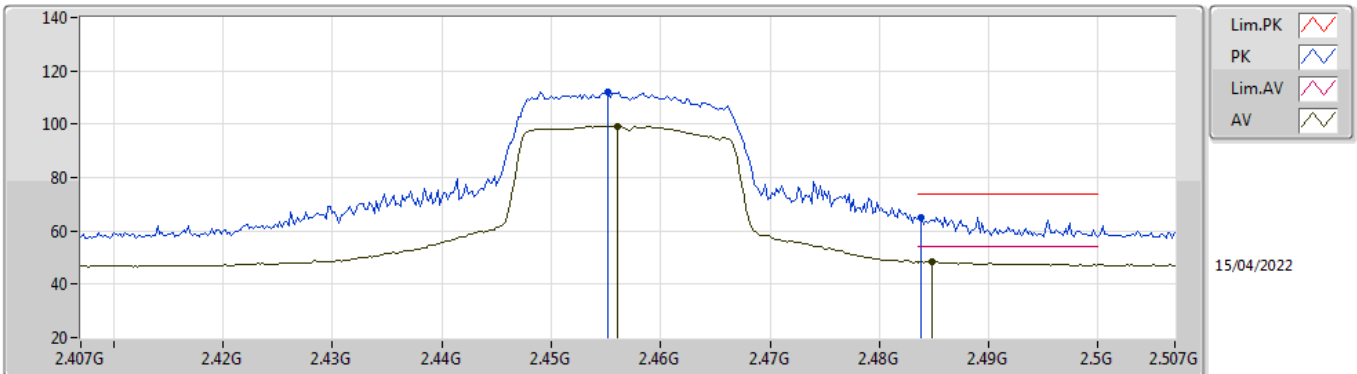


EUT V_2TX
Setting 65
02-B-R-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	2.4656G	112.91	Inf	-Inf	82.54	3	Vertical	61	1.02	-	27.50	2.87	-	
AV	2.465G	100.71	Inf	-Inf	70.35	3	Vertical	61	1.02	-	27.50	2.86	-	
PK	2.4862G	73.91	74.00	-0.09	43.52	3	Vertical	61	1.02	-	27.50	2.89	-	
AV	2.4835G	52.10	54.00	-1.90	21.72	3	Vertical	61	1.02	-	27.50	2.88	-	

802.11ax HEW20-BF_Nss1,(MCS0)_2TX

2457MHz_TX

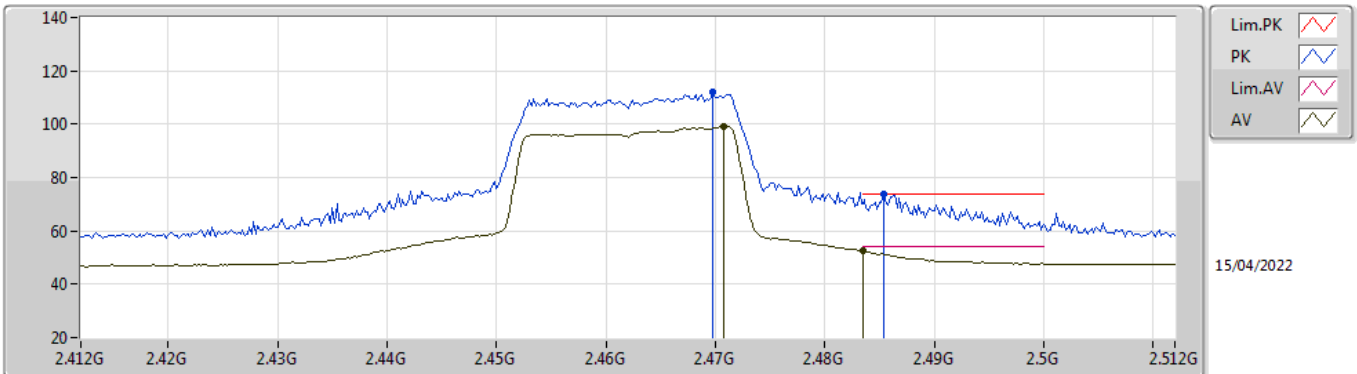


EUT Y_2TX
Setting 65
02-B-R-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	2.4552G	112.21	Inf	-Inf	81.85	3	Horizontal	31	2.78	-	27.50	2.86	-	
AV	2.456G	99.20	Inf	-Inf	68.84	3	Horizontal	31	2.78	-	27.50	2.86	-	
PK	2.4838G	65.10	74.00	-8.90	34.72	3	Horizontal	31	2.78	-	27.50	2.88	-	
AV	2.4848G	48.56	54.00	-5.44	18.18	3	Horizontal	31	2.78	-	27.50	2.88	-	

802.11ax HEW20-BF_Nss1,(MCS0)_2TX

2462MHz_TX

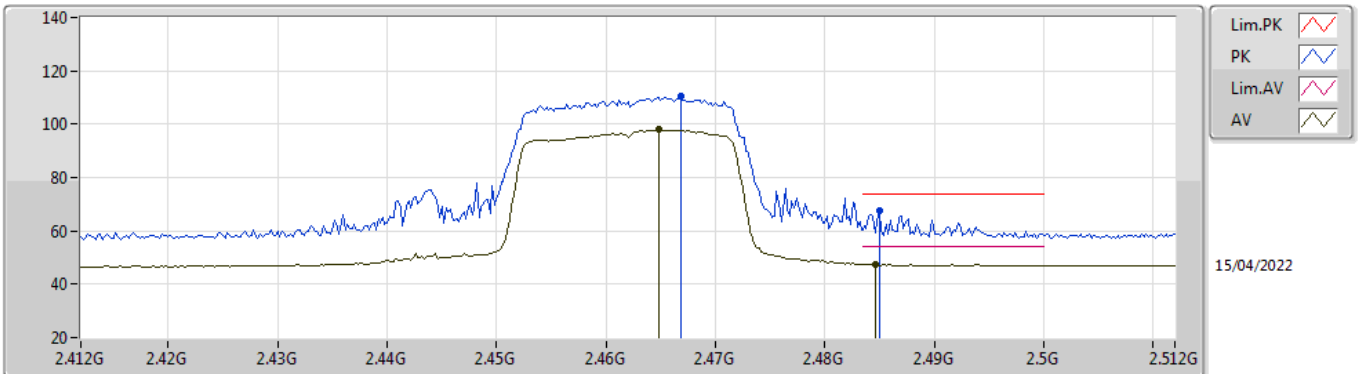


EUT V_2TX
Setting 59
02-B-R-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	2.4698G	111.85	Inf	-Inf	81.48	3	Vertical	71	1.72	-	27.50	2.87	-	
AV	2.4708G	99.26	Inf	-Inf	68.89	3	Vertical	71	1.72	-	27.50	2.87	-	
PK	2.4854G	73.93	74.00	-0.07	43.54	3	Vertical	71	1.72	-	27.50	2.89	-	
AV	2.4835G	52.39	54.00	-1.61	22.01	3	Vertical	71	1.72	-	27.50	2.88	-	

802.11ax HEW20-BF_Nss1,(MCS0)_2TX

2462MHz_TX

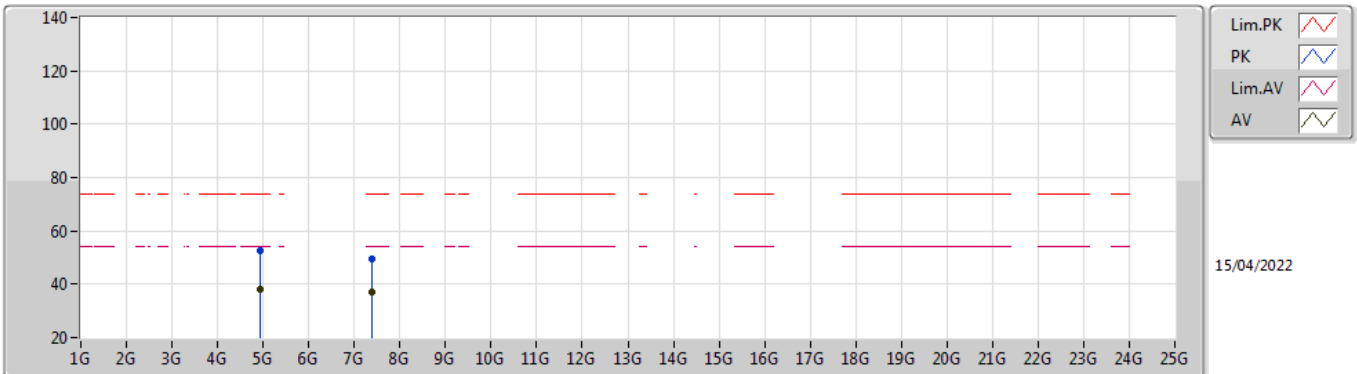


EUT V_2TX
Setting 59
02-B-R-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	2.4668G	110.28	Inf	-Inf	79.91	3	Horizontal	40	1.26	-	27.50	2.87	-	
AV	2.4648G	97.85	Inf	-Inf	67.49	3	Horizontal	40	1.26	-	27.50	2.86	-	
PK	2.485G	67.52	74.00	-6.48	37.13	3	Horizontal	40	1.26	-	27.50	2.89	-	
AV	2.4846G	47.66	54.00	-6.34	17.28	3	Horizontal	40	1.26	-	27.50	2.88	-	

802.11ax HEW20-BF_Nss1,(MCS0)_2TX

2462MHz_TX

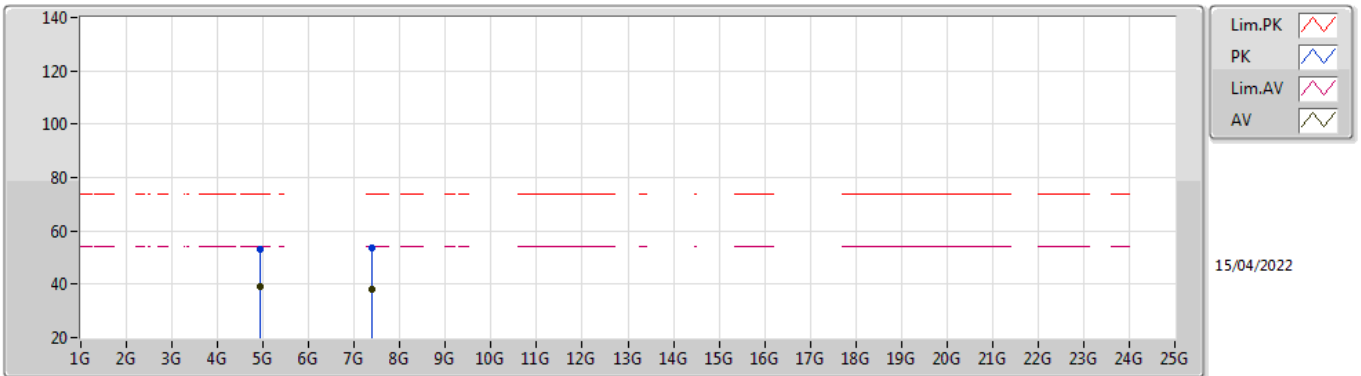


EUT Y_2TX
Setting 59
02-B-R-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.92928G	52.54	74.00	-21.46	48.21	3	Vertical	350	1.15	-	31.42	5.10	32.19
AV	4.92816G	37.90	54.00	-16.10	33.58	3	Vertical	350	1.15	-	31.41	5.10	32.19
PK	7.38036G	49.61	74.00	-24.39	39.88	3	Vertical	331	2.49	-	36.48	6.19	32.94
AV	7.39004G	36.83	54.00	-17.17	27.15	3	Vertical	331	2.49	-	36.44	6.20	32.96

802.11ax HEW20-BF_Nss1,(MCS0)_2TX

2462MHz_TX

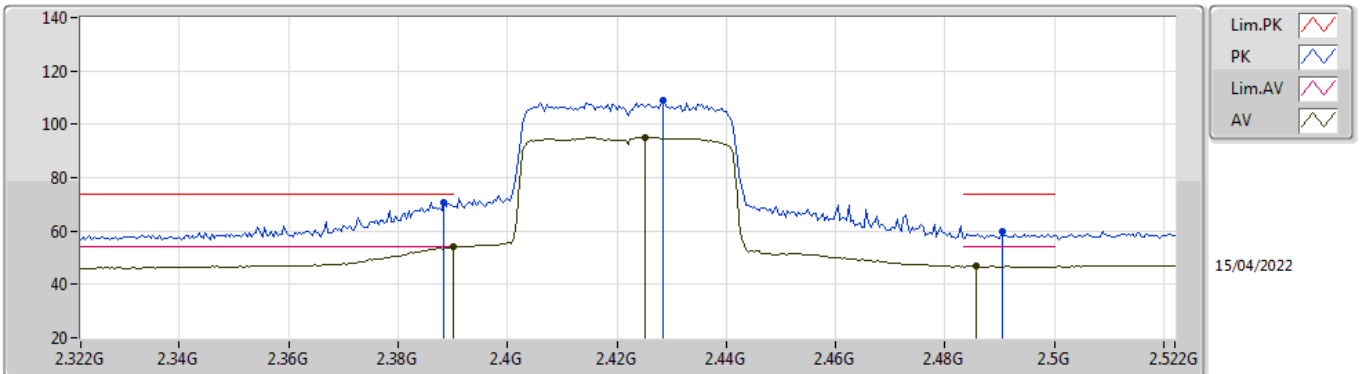


EUT V_2TX
Setting 59
02-B-R-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.929G	53.16	74.00	-20.84	48.83	3	Horizontal	334	2.01	-	31.42	5.10	32.19
AV	4.92452G	39.33	54.00	-14.67	35.02	3	Horizontal	334	2.01	-	31.40	5.10	32.19
PK	7.377G	53.76	74.00	-20.24	44.02	3	Horizontal	230	1.09	-	36.49	6.19	32.94
AV	7.38268G	38.27	54.00	-15.73	28.56	3	Horizontal	230	1.09	-	36.47	6.19	32.95

802.11ax HEW40-BF_Nss1,(MCS0)_2TX

2422MHz_TX

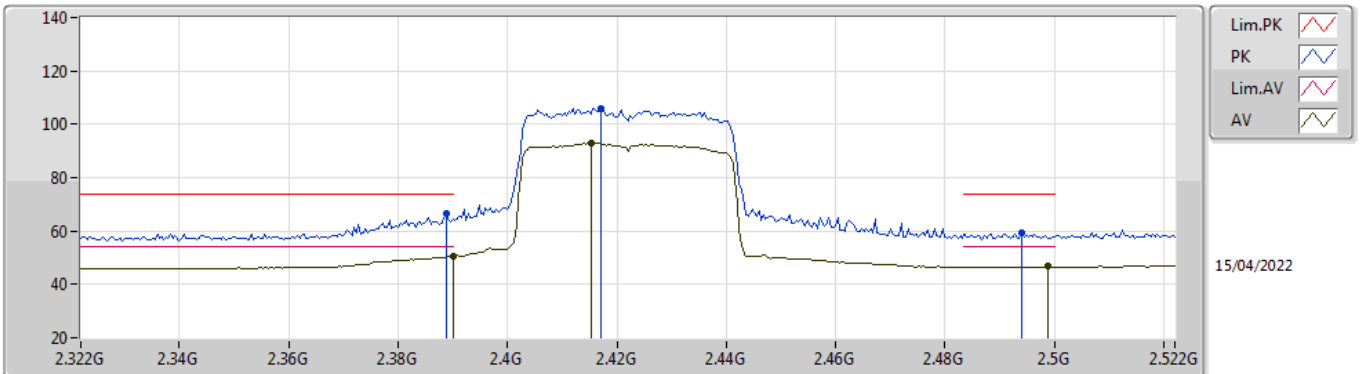


EUT_V_2TX
Setting 56
02-B-R-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3884G	70.75	74.00	-3.25	40.34	3	Vertical	48	1.00	-	27.62	2.79	-
AV	2.39G	53.95	54.00	-0.05	23.54	3	Vertical	48	1.00	-	27.62	2.79	-
PK	2.4284G	108.98	Inf	-Inf	78.61	3	Vertical	48	1.00	-	27.54	2.83	-
AV	2.4252G	95.12	Inf	-Inf	64.74	3	Vertical	48	1.00	-	27.55	2.83	-
PK	2.4904G	59.65	74.00	-14.35	29.26	3	Vertical	48	1.00	-	27.50	2.89	-
AV	2.4856G	46.72	54.00	-7.28	16.33	3	Vertical	48	1.00	-	27.50	2.89	-

802.11ax HEW40-BF_Nss1,(MCS0)_2TX

2422MHz_TX

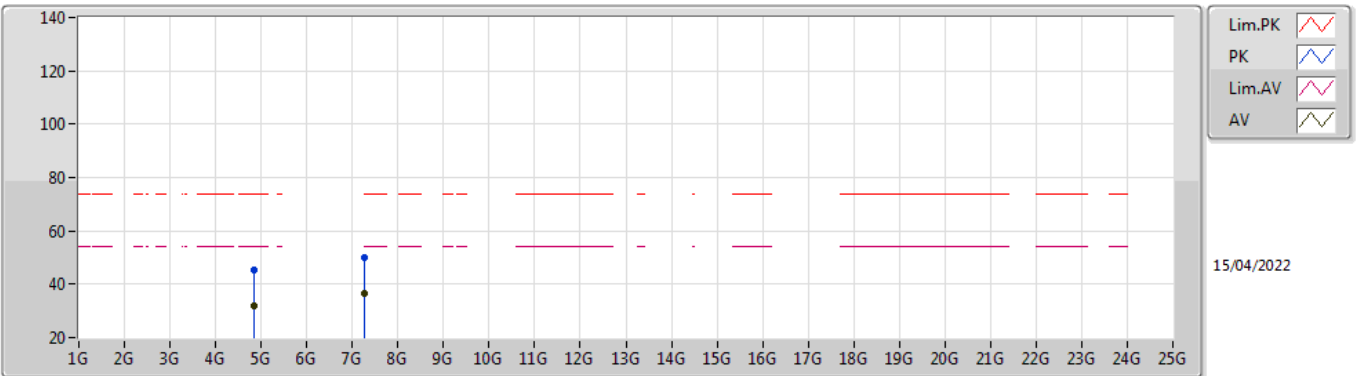


EUT V_2TX
Setting 56
02-B-R-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3888G	66.34	74.00	-7.66	35.93	3	Horizontal	30	2.95	-	27.62	2.79	-
AV	2.39G	50.54	54.00	-3.46	20.13	3	Horizontal	30	2.95	-	27.62	2.79	-
PK	2.4172G	105.98	Inf	-Inf	75.59	3	Horizontal	30	2.95	-	27.57	2.82	-
AV	2.4152G	93.02	Inf	-Inf	62.63	3	Horizontal	30	2.95	-	27.57	2.82	-
PK	2.494G	59.06	74.00	-14.94	28.67	3	Horizontal	30	2.95	-	27.50	2.89	-
AV	2.4988G	46.64	54.00	-7.36	16.24	3	Horizontal	30	2.95	-	27.50	2.90	-

802.11ax HEW40-BF_Nss1,(MCS0)_2TX

2422MHz_TX

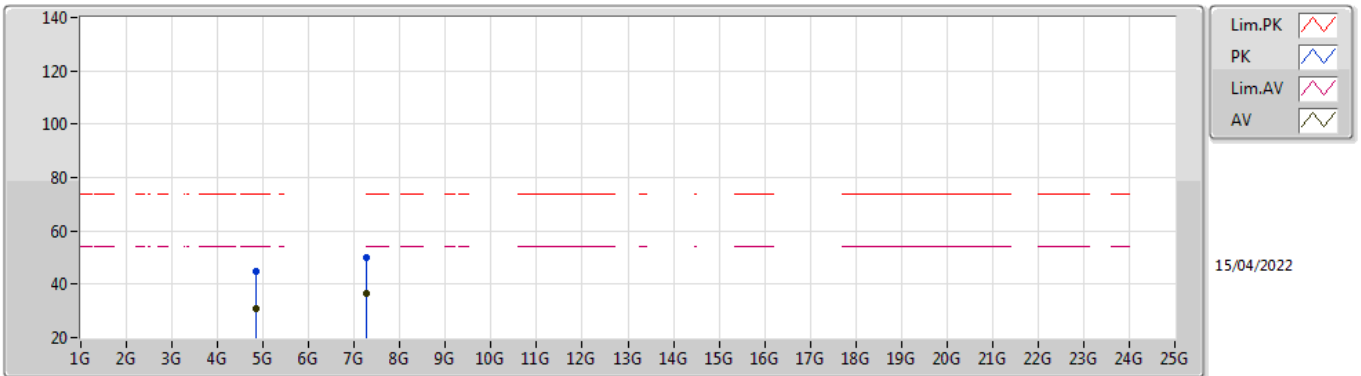


EUT Y_2TX
Setting 56
02-B-R-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	4.85366G	45.33	74.00	-28.67	41.14	3	Vertical	310	2.92	-	31.30	5.10	32.21	
AV	4.84826G	31.71	54.00	-22.29	27.52	3	Vertical	310	2.92	-	31.30	5.10	32.21	
PK	7.27542G	50.09	74.00	-23.91	40.31	3	Vertical	278	1.27	-	36.40	6.14	32.76	
AV	7.25466G	36.59	54.00	-17.41	26.78	3	Vertical	278	1.27	-	36.40	6.13	32.72	

802.11ax HEW40-BF_Nss1,(MCS0)_2TX

2422MHz_TX

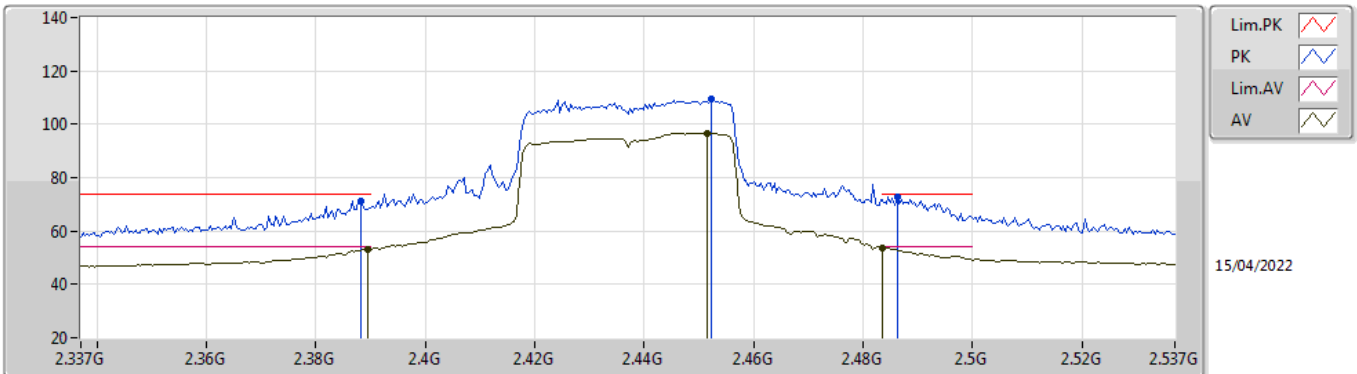


EUT V_2TX
Setting 56
02-B-R-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.8587G	44.70	74.00	-29.30	40.51	3	Horizontal	22	2.87	-	31.30	5.10	32.21
AV	4.8578G	30.99	54.00	-23.01	26.80	3	Horizontal	22	2.87	-	31.30	5.10	32.21
PK	7.25118G	49.87	74.00	-24.13	40.06	3	Horizontal	274	1.95	-	36.40	6.13	32.72
AV	7.25322G	36.77	54.00	-17.23	26.96	3	Horizontal	274	1.95	-	36.40	6.13	32.72

802.11ax HEW40-BF_Nss1,(MCS0)_2TX

2437MHz_TX

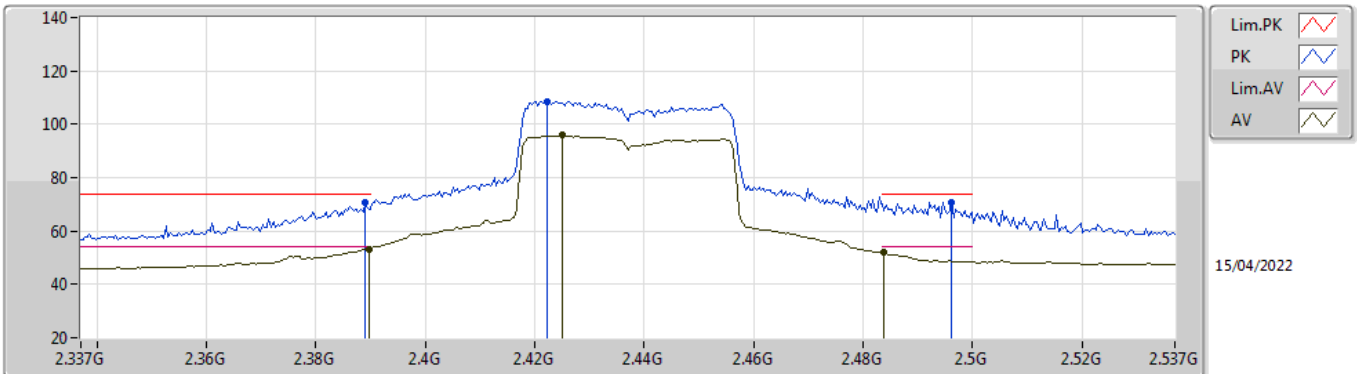


EUT_V_2TX
Setting 66
02-B-R-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3882G	71.08	74.00	-2.92	40.67	3	Vertical	82	1.00	-	27.62	2.79	-
AV	2.3894G	52.97	54.00	-1.03	22.56	3	Vertical	82	1.00	-	27.62	2.79	-
PK	2.4522G	109.23	Inf	-Inf	78.88	3	Vertical	82	1.00	-	27.50	2.85	-
AV	2.4514G	96.78	Inf	-Inf	66.43	3	Vertical	82	1.00	-	27.50	2.85	-
PK	2.4862G	72.97	74.00	-1.03	42.58	3	Vertical	82	1.00	-	27.50	2.89	-
AV	2.4835G	53.63	54.00	-0.37	23.25	3	Vertical	82	1.00	-	27.50	2.88	-

802.11ax HEW40-BF_Nss1,(MCS0)_2TX

2437MHz_TX

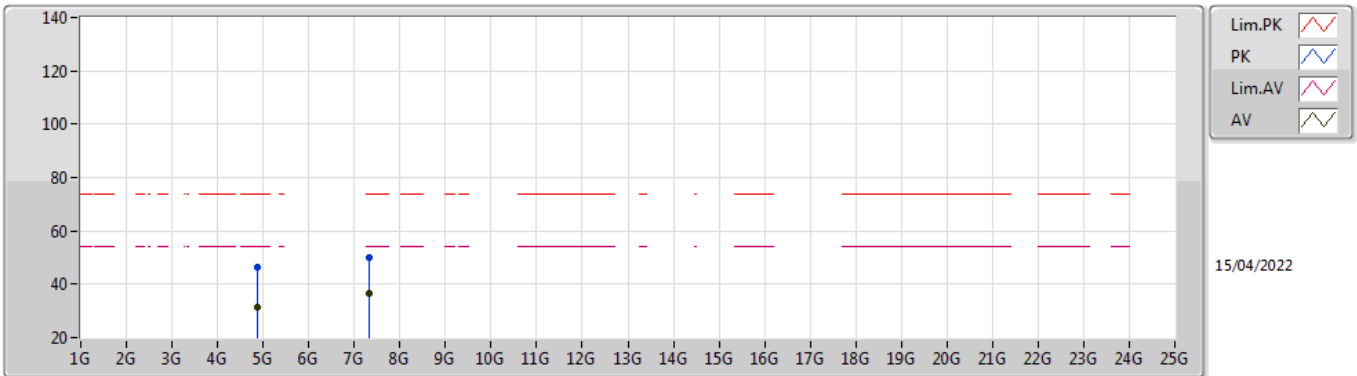


EUT_V_2TX
Setting 66
02-B-R-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.389G	70.80	74.00	-3.20	40.39	3	Horizontal	146	2.88	-	27.62	2.79	-
AV	2.3898G	53.36	54.00	-0.64	22.95	3	Horizontal	146	2.88	-	27.62	2.79	-
PK	2.4222G	108.68	Inf	-Inf	78.30	3	Horizontal	146	2.88	-	27.56	2.82	-
AV	2.425G	95.78	Inf	-Inf	65.41	3	Horizontal	146	2.88	-	27.55	2.82	-
PK	2.4962G	70.72	74.00	-3.28	40.32	3	Horizontal	146	2.88	-	27.50	2.90	-
AV	2.4838G	51.88	54.00	-2.12	21.50	3	Horizontal	146	2.88	-	27.50	2.88	-

802.11ax HEW40-BF_Nss1,(MCS0)_2TX

2437MHz_TX

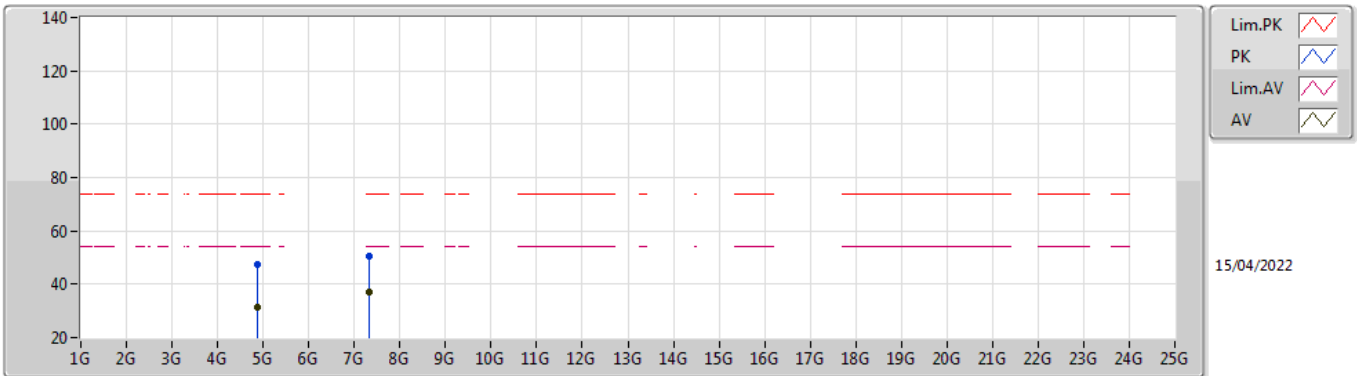


EUT Y_2TX
Setting 66
02-B-R-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.87364G	46.42	74.00	-27.58	42.23	3	Vertical	276	2.20	-	31.30	5.10	32.21
AV	4.87124G	31.60	54.00	-22.40	27.41	3	Vertical	276	2.20	-	31.30	5.10	32.21
PK	7.32324G	50.11	74.00	-23.89	40.30	3	Vertical	257	1.08	-	36.49	6.16	32.84
AV	7.317G	36.63	54.00	-17.37	26.83	3	Vertical	257	1.08	-	36.47	6.16	32.83

802.11ax HEW40-BF_Nss1,(MCS0)_2TX

2437MHz_TX

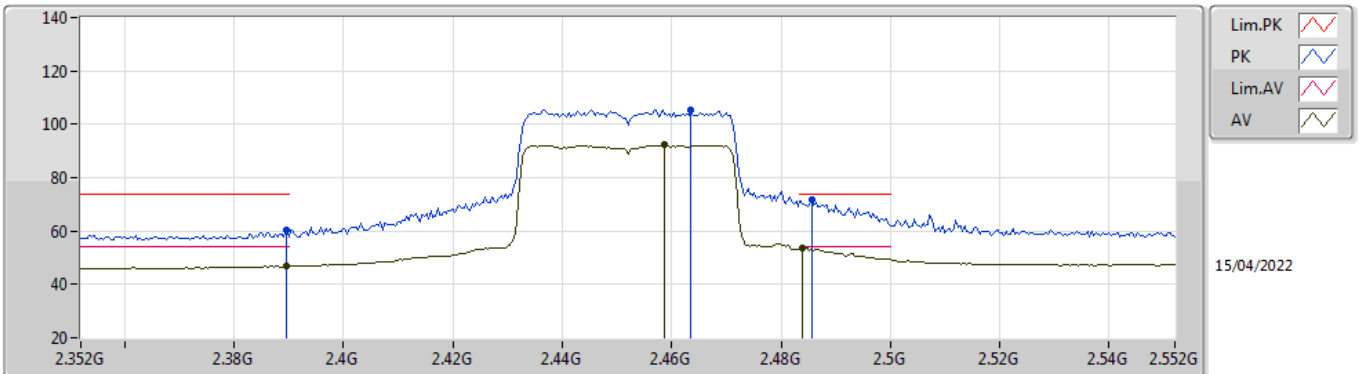


EUT Y_2TX
Setting 66
02-B-R-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.87412G	47.58	74.00	-26.42	43.39	3	Horizontal	203	1.21	-	31.30	5.10	32.21
AV	4.86548G	31.45	54.00	-22.55	27.26	3	Horizontal	203	1.21	-	31.30	5.10	32.21
PK	7.32594G	50.26	74.00	-23.74	40.45	3	Horizontal	351	2.66	-	36.50	6.16	32.85
AV	7.32042G	36.91	54.00	-17.09	27.11	3	Horizontal	351	2.66	-	36.48	6.16	32.84

802.11ax HEW40-BF_Nss1,(MCS0)_2TX

2452MHz_TX

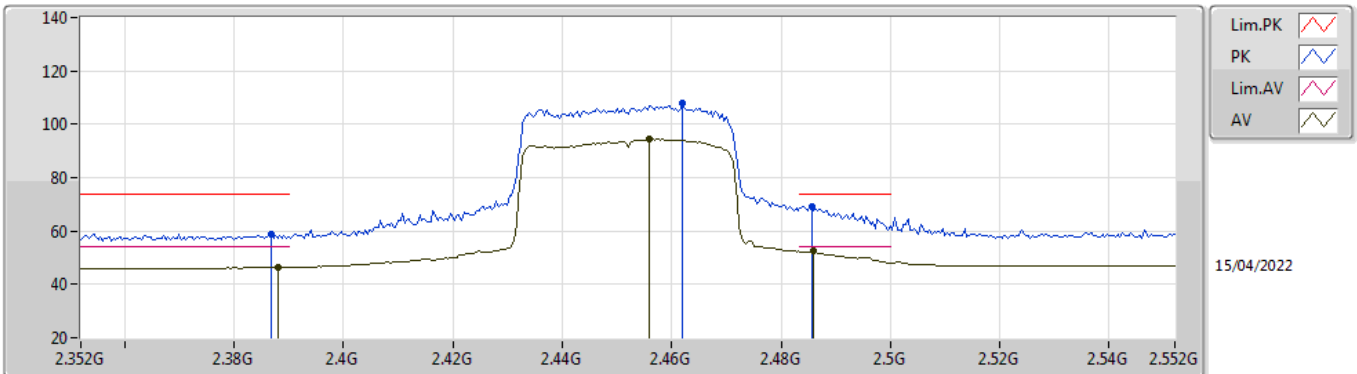


EUT_V_2TX
Setting 55
02-B-R-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3896G	60.21	74.00	-13.79	29.80	3	Vertical	87	1.80	-	27.62	2.79	-
AV	2.3896G	46.69	54.00	-7.31	16.28	3	Vertical	87	1.80	-	27.62	2.79	-
PK	2.4636G	105.55	Inf	-Inf	75.19	3	Vertical	87	1.80	-	27.50	2.86	-
AV	2.4588G	92.27	Inf	-Inf	61.91	3	Vertical	87	1.80	-	27.50	2.86	-
PK	2.4856G	71.49	74.00	-2.51	41.10	3	Vertical	87	1.80	-	27.50	2.89	-
AV	2.484G	53.68	54.00	-0.32	23.30	3	Vertical	87	1.80	-	27.50	2.88	-

802.11ax HEW40-BF_Nss1,(MCS0)_2TX

2452MHz_TX

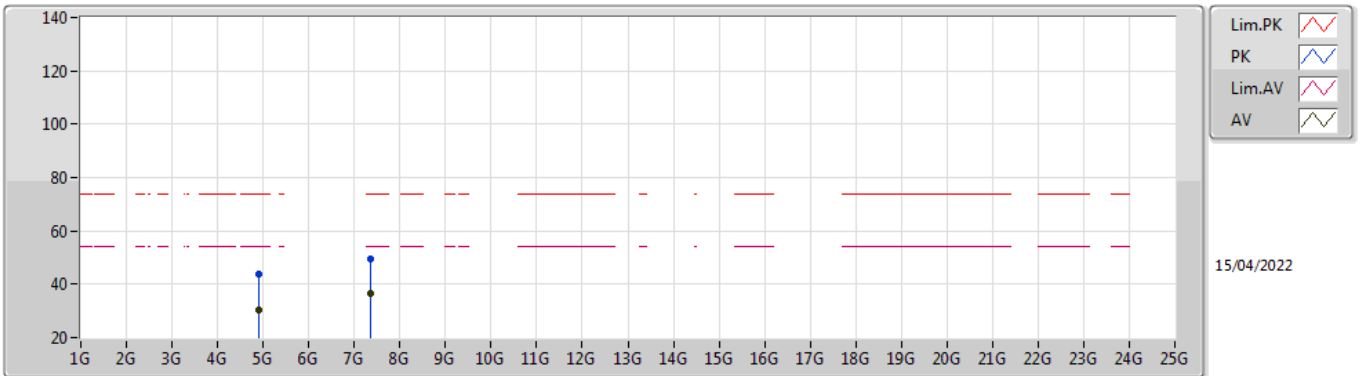


EUT_V_2TX
Setting 55
02-B-R-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3868G	58.93	74.00	-15.07	28.51	3	Horizontal	137	2.77	-	27.63	2.79	-
AV	2.388G	46.43	54.00	-7.57	16.02	3	Horizontal	137	2.77	-	27.62	2.79	-
PK	2.462G	107.81	Inf	-Inf	77.45	3	Horizontal	137	2.77	-	27.50	2.86	-
AV	2.456G	94.36	Inf	-Inf	64.00	3	Horizontal	137	2.77	-	27.50	2.86	-
PK	2.4856G	69.34	74.00	-4.66	38.95	3	Horizontal	137	2.77	-	27.50	2.89	-
AV	2.486G	52.60	54.00	-1.40	22.21	3	Horizontal	137	2.77	-	27.50	2.89	-

802.11ax HEW40-BF_Nss1,(MCS0)_2TX

2452MHz_TX

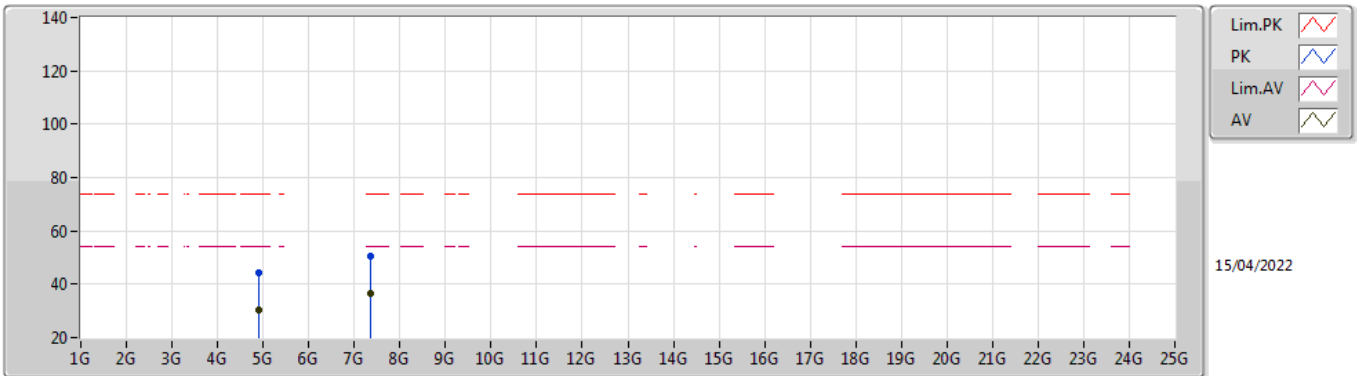


EUT V_2TX
Setting 55
02-B-R-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	4.8908G	43.81	74.00	-30.19	39.61	3	Vertical	53	1.94	-	31.30	5.10	32.20	
AV	4.9037G	30.37	54.00	-23.63	26.15	3	Vertical	53	1.94	-	31.31	5.10	32.19	
PK	7.3632G	49.35	74.00	-24.65	39.53	3	Vertical	2	1.01	-	36.55	6.18	32.91	
AV	7.34214G	36.56	54.00	-17.44	26.70	3	Vertical	2	1.01	-	36.57	6.17	32.88	

802.11ax HEW40-BF_Nss1,(MCS0)_2TX

2452MHz_TX



EUT V_2TX
Setting 55
02-B-R-5

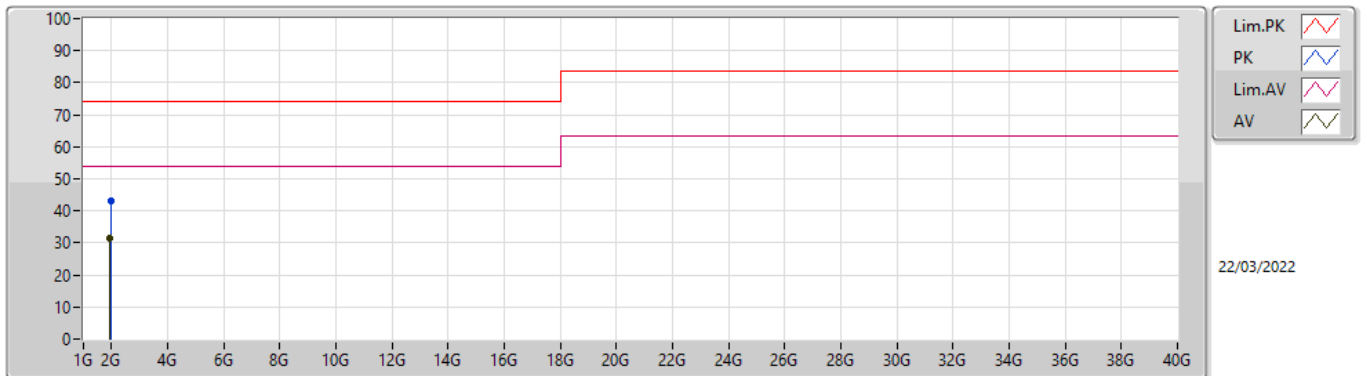
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.89848G	44.35	74.00	-29.65	40.15	3	Horizontal	203	2.79	-	31.30	5.10	32.20
AV	4.90322G	30.37	54.00	-23.63	26.15	3	Horizontal	203	2.79	-	31.31	5.10	32.19
PK	7.35816G	50.35	74.00	-23.65	40.50	3	Horizontal	254	1.68	-	36.57	6.18	32.90
AV	7.35624G	36.63	54.00	-17.37	26.77	3	Horizontal	254	1.68	-	36.58	6.18	32.90



Summary

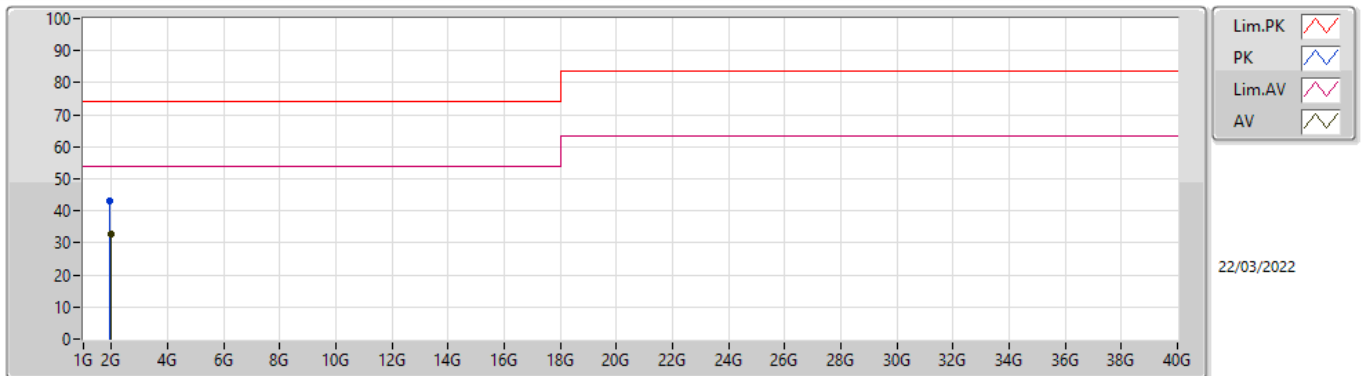
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Condition
Mode 1	Pass	AV	1.9702G	32.93	54.00	-21.07	Horizontal

Mode 1



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB/m)	(m)		(°)	(m)		(dBuV/m)	(dB/m)	(dB)	(dB)
PK	1.9705G	42.95	74.00	-31.05	-3.66	3	Vertical	212	1.31	-	46.61	28.01	3.07	34.74
AV	1.95395G	31.58	54.00	-22.42	-4.03	3	Vertical	212	1.31	"Worst"	35.61	27.68	3.05	34.76

Mode 1



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB/m)	(m)		(°)	(m)		(dBuV/m)	(dB/m)	(dB)	(dB)
PK	1.9392G	43.15	74.00	-30.85	-4.32	3	Horizontal	167	1.33	-	47.47	27.41	3.04	34.77
AV	1.9702G	32.93	54.00	-21.07	-3.67	3	Horizontal	167	1.33	"Worst"	36.60	28.00	3.07	34.74